Start	1	End	387
GI	none	Score	255
Exons	1..48, 162..225, 307..387		

Seq. No.	12497	Seq. ID	OJ990810_13.9C23.C30
Gene No.	26462	Strand	+
Start	1	End	2047
Name	OJ990810_13.9C23.C30.o1.tm	Method	TBLASTX:Maize
Start	1	End	2047
GI	none	Score	75
Exons	1..48, 2..49, 2..55, 159..224, 160..225, 161..226, 296..367, 309..374, 310..372, 1514..1642, 1528..1680, 1648..1701, 1972..2034, 1985..2047, 1986..2036		

Seq. No.	12497	Seq. ID	OJ990810_13.9C23.C30
Gene No.	26462	Strand	+
Start	1	End	2047
Name	OJ990810_13.9C23.C30.o1.np	Method	AAT/NAP
Start	1	End	2039
GI	6523032	Score	247
Exons	1..48, 162..225, 328..374, 1380..1440, 1523..1723, 1966..2039		
GI Descrip.	(AL132976) flavonol synthase-like protein [Arabidopsis thaliana]		

Seq. No.	12497	Seq. ID	OJ990810_13.9C23.C30
Gene No.	26462	Strand	+
Start	1	End	2047
Name	OJ990810_13.9C23.C30.o2.gp	Method	AAT/GAP
Start	790	End	1265
GI	none	Score	895
Exons	790..1265		

Seq. No.	12497	Seq. ID	OJ990810_13.9C23.C30
Gene No.	26462	Strand	+
Start	1	End	2047
Name	OJ990810_13.9C23.C30.o3.gp	Method	AAT/GAP
Start	1592	End	2035
GI	LIB3433-016-Q6-K6-F8	Score	206
Exons	1592..1684, 1784..1818, 1980..2035		
GI Descrip.	'3834350/dbj|BAA34124| 4.0e-10 (AB010991) 3b-hydroxylase [Lycopersicon esculentum]'		

Seq. No.	12498	Seq. ID	OJ990810_13.9C23.C31
Gene No.	26463	Strand	+
Start	295	End	4096
Name	OJ990810_13.9C23.C31.o1.gs	Method	GENSCAN
Start	295	End	3760
GI	none	Score	.54
Exons	295..605, 1150..1165, 1509..1583, 2321..2364, 2573..2915, 3130..3355, 3434..3760		

Seq. No.	12498	Seq. ID	OJ990810_13.9C23.C31
Gene No.	26463	Strand	+
Start	295	End	4096
Name	OJ990810_13.9C23.C31.o1.np	Method	AAT/NAP
Start	1142	End	1649
GI	6561963	Score	220
Exons	1142..1230, 1320..1409, 1509..1649		

GI Descrip. (AL132964) putative protein [Arabidopsis thaliana]

Seq. No.	12498	Seq. ID	OJ990810_13.9C23.C31
Gene No.	26463	Strand	+
Start	295	End	4096
Name	OJ990810_13.9C23.C31.o1.gp	Method	AAT/GAP
Start	1190	End	1783
GI	3767924	Score	658
Exons	1190..1230, 1320..1409, 1509..1783		

Seq. No.	12498	Seq. ID	OJ990810_13.9C23.C31
Gene No.	26463	Strand	+
Start	295	End	4096
Name	OJ990810_13.9C23.C31.o2.np	Method	AAT/NAP
Start	1634	End	4096
GI	6967112	Score	402
Exons	1634..1710, 2913..3044, 3130..3355, 3434..3710, 4066..4096		

GI Descrip. (AL138652) putative protein [Arabidopsis thaliana]

Seq. No.	12498	Seq. ID	OJ990810_13.9C23.C31
Gene No.	26464	Strand	+
Start	4031	End	4096
Name	OJ990810_13.9C23.C31.o1.ts	Method	TBLASTX:Soybean
Start	1134	End	1631
GI	none	Score	141
Exons	1134..1229, 1135..1233, 1320..1418, 1506..1631		

Seq. No.	12498	Seq. ID	OJ990810_13.9C23.C31
Gene No.	26464	Strand	+
Start	4031	End	4096
Name	OJ990810_13.9C23.C31.o2.tm	Method	TBLASTX:Maize
Start	1147	End	1667
GI	none	Score	142
Exons	1147..1233, 1149..1232, 1294..1404, 1308..1409, 1318..1395, 1320..1409, 1493..1660, 1497..1667		

Seq. No.	12498	Seq. ID	OJ990810_13.9C23.C31
Gene No.	26464	Strand	+
Start	4031	End	4096
Name	OJ990810_13.9C23.C31.o3.tm	Method	TBLASTX:Maize
Start	2652	End	3017
GI	none	Score	280
Exons	2652..3017, 2786..2947		

Seq. No.	12498	Seq. ID	OJ990810_13.9C23.C31
Gene No.	26464	Strand	+
Start	4031	End	4096
Name	OJ990810_13.9C23.C31.o3.ts	Method	TBLASTX:Soybean
Start	2658	End	2951
GI	none	Score	201
Exons	2658..2951, 2708..2947		

Seq. No.	12498	Seq. ID	OJ990810_13.9C23.C31
Gene No.	26464	Strand	+
Start	4031	End	4096
Name	OJ990810_13.9C23.C31.o4.ts	Method	TBLASTX:Soybean
Start	3015	End	3329

GI	none	Score	43
Exons	3015..3044, 3111..3317, 3129..3179, 3130..3324, 3222..3329		

Seq. No.	12498	Seq. ID	OJ990810_13.9C23.C31
Gene No.	26464	Strand	+
Start	4031	End	4096
Name	OJ990810_13.9C23.C31.o1.tm	Method	TBLASTX:Maize
Start	3125	End	3665
GI	none	Score	70
Exons	3125..3286, 3133..3357, 3135..3356, 3425..3544, 3432..3611, 3433..3636, 3444..3665		

Seq. No.	12498	Seq. ID	OJ990810_13.9C23.C31
Gene No.	26464	Strand	+
Start	4031	End	4096
Name	OJ990810_13.9C23.C31.o1.tw	Method	TBLASTX:Wheat
Start	3196	End	3636
GI	none	Score	101
Exons	3196..3324, 3225..3326, 3433..3519, 3538..3636		

Seq. No.	12498	Seq. ID	OJ990810_13.9C23.C31
Gene No.	26464	Strand	+
Start	4031	End	4096
Name	OJ990810_13.9C23.C31.o2.ts	Method	TBLASTX:Soybean
Start	3424	End	3717
GI	none	Score	114
Exons	3424..3528, 3429..3527, 3528..3716, 3529..3717		

Seq. No.	12498	Seq. ID	OJ990810_13.9C23.C31
Gene No.	26464	Strand	+
Start	4031	End	4096
Name	OJ990810_13.9C23.C31.o2.gp	Method	AAT/GAP
Start	4031	End	4096
GI	700756	Score	132
Exons	4031..4096		

Seq. No.	12499	Seq. ID	OJ990810_13.9C23.C32
Gene No.	26465	Strand	+
Start	64	End	1639
Name	OJ990810_13.9C23.C32.o1.gs	Method	GENSCAN
Start	64	End	1639
GI	none	Score	.54
Exons	64..484, 1233..1370, 1501..1639		

Seq. No.	12499	Seq. ID	OJ990810_13.9C23.C32
Gene No.	26466	Strand	-
Start	11	End	7221
Name	OJ990810_13.9C23.C32.o1.np	Method	AAT/NAP
Start	11	End	4677
GI	5852181	Score	121
Exons	11..32, 1250..1418, 4631..4677		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	12499	Seq. ID	OJ990810_13.9C23.C32
Gene No.	26466	Strand	-
Start	11	End	7221
Name	OJ990810_13.9C23.C32.o2.gs	Method	GENSCAN

Start	2062	End	2551
GI	none	Score	.68
Exons	2062..2184, 2549..2551		

Seq. No.	12499	Seq. ID	OJ990810_13.9C23.C32
Gene No.	26466	Strand	-
Start	11	End	7221
Name	OJ990810_13.9C23.C32.o3.gs	Method	GENSCAN
Start	4439	End	6969
GI	none	Score	.66
Exons	4439..5268, 5759..6661, 6708..6969		

Seq. No.	12499	Seq. ID	OJ990810_13.9C23.C32
Gene No.	26466	Strand	-
Start	11	End	7221
Name	OJ990810_13.9C23.C32.o2.np	Method	AAT/NAP
Start	5655	End	7221
GI	6691191	Score	1296
Exons	5655..7221		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	12499	Seq. ID	OJ990810_13.9C23.C32
Gene No.	26466	Strand	-
Start	11	End	7221
Name	OJ990810_13.9C23.C32.o1.ts	Method	TBLASTX:Soybean
Start	5754	End	6242
GI	none	Score	43
Exons	5754..5840, 5853..6242, 5912..5950, 6004..6240		

Seq. No.	12499	Seq. ID	OJ990810_13.9C23.C32
Gene No.	26466	Strand	-
Start	11	End	7221
Name	OJ990810_13.9C23.C32.o1.tw	Method	TBLASTX:Wheat
Start	5850	End	6231
GI	none	Score	47
Exons	5850..6230, 5851..5949, 5880..6137, 6013..6174, 6208..6231		

Seq. No.	12499	Seq. ID	OJ990810_13.9C23.C32
Gene No.	26466	Strand	-
Start	11	End	7221
Name	OJ990810_13.9C23.C32.o3.tw	Method	TBLASTX:Wheat
Start	6234	End	6566
GI	none	Score	145
Exons	6234..6566, 6331..6561		

Seq. No.	12499	Seq. ID	OJ990810_13.9C23.C32
Gene No.	26466	Strand	-
Start	11	End	7221
Name	OJ990810_13.9C23.C32.o2.ts	Method	TBLASTX:Soybean
Start	6243	End	6593
GI	none	Score	184
Exons	6243..6593, 6265..6567		

Seq. No.	12499	Seq. ID	OJ990810_13.9C23.C32
Gene No.	26466	Strand	-
Start	11	End	7221
Name	OJ990810_13.9C23.C32.o1.tc	Method	TBLASTX:Cress

Start	6588	End	6966
GI	none	Score	49
Exons	6588..6695, 6588..6704, 6700..6891, 6779..6877, 6895..6966		

Seq. No.	12499	Seq. ID	OJ990810_13.9C23.C32
Gene No.	26466	Strand	-
Start	11	End	7221
Name	OJ990810_13.9C23.C32.o2.tw	Method	TBLASTX:Wheat
Start	6700	End	7153
GI	none	Score	102
Exons	6700..6888, 6892..6963, 6955..7131, 6970..7149, 6980..7153, 7017..7133		

Seq. No.	12499	Seq. ID	OJ990810_13.9C23.C32
Gene No.	26466	Strand	-
Start	11	End	7221
Name	OJ990810_13.9C23.C32.o3.ts	Method	TBLASTX:Soybean
Start	7009	End	7149
GI	none	Score	74
Exons	7009..7131, 7010..7135, 7032..7136, 7033..7149		

Seq. No.	12500	Seq. ID	OJ990810_13.9C23.C33
Gene No.	26467	Strand	-
Start	1	End	600
Name	OJ990810_13.9C23.C33.o1.np	Method	AAT/NAP
Start	1	End	600
GI	6691193	Score	200
Exons	1..80, 158..600		
GI Descrip.	(AC007534) F7F22.17 [Arabidopsis thaliana]		

Seq. No.	12501	Seq. ID	OJ990810_13.9C23.C34
Gene No.	26468	Strand	-
Start	1	End	1194
Name	OJ990810_13.9C23.C34.o1.np	Method	AAT/NAP
Start	1	End	1194
GI	6630685	Score	1714
Exons	1..1194		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	12501	Seq. ID	OJ990810_13.9C23.C34
Gene No.	26468	Strand	-
Start	1	End	1194
Name	OJ990810_13.9C23.C34.o1.tm	Method	TBLASTX:Maize
Start	1	End	610
GI	none	Score	282
Exons	1..315, 2..310, 315..383, 316..384, 348..602, 422..610, 424..603		

Seq. No.	12501	Seq. ID	OJ990810_13.9C23.C34
Gene No.	26468	Strand	-
Start	1	End	1194
Name	OJ990810_13.9C23.C34.o3.ts	Method	TBLASTX:Soybean
Start	1	End	413
GI	none	Score	53
Exons	1..186, 208..315, 212..307, 315..413		

Seq. No.	12501	Seq. ID	OJ990810_13.9C23.C34

Gene No.	26468	Strand	-
Start	1	End	1194
Name	OJ990810_13.9C23.C34.o1.ts	Method	TBLASTX:Soybean
Start	431	End	830
GI	none	Score	99
Exons	431..817, 546..830		

Seq. No.	12501	Seq. ID	OJ990810_13.9C23.C34
Gene No.	26468	Strand	-
Start	1	End	1194
Name	OJ990810_13.9C23.C34.o2.tw	Method	TBLASTX:Wheat
Start	437	End	793
GI	none	Score	91
Exons	437..613, 629..793		

Seq. No.	12501	Seq. ID	OJ990810_13.9C23.C34
Gene No.	26468	Strand	-
Start	1	End	1194
Name	OJ990810_13.9C23.C34.o2.tm	Method	TBLASTX:Maize
Start	725	End	1164
GI	none	Score	448
Exons	725..1159, 735..1160, 829..1164		

Seq. No.	12501	Seq. ID	OJ990810_13.9C23.C34
Gene No.	26468	Strand	-
Start	1	End	1194
Name	OJ990810_13.9C23.C34.o2.ts	Method	TBLASTX:Soybean
Start	963	End	1194
GI	5509260	Score	155
Exons	963..1193, 964..1194, 964..1146, 965..1192		
GI Descrip.	-		

Seq. No.	12501	Seq. ID	OJ990810_13.9C23.C34
Gene No.	26468	Strand	-
Start	1	End	1194
Name	OJ990810_13.9C23.C34.o1.tw	Method	TBLASTX:Wheat
Start	977	End	1192
GI	none	Score	133
Exons	977..1192, 990..1145, 1060..1149		

Seq. No.	12502	Seq. ID	OJ990810_13.9C23.C35
Gene No.	26469	Strand	-
Start	1	End	937
Name	OJ990810_13.9C23.C35.o1.np	Method	AAT/NAP
Start	1	End	937
GI	3645899	Score	1123
Exons	1..937		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	12502	Seq. ID	OJ990810_13.9C23.C35
Gene No.	26470	Strand	-
Start	947	End	1555
Name	OJ990810_13.9C23.C35.o2.tm	Method	TBLASTX:Maize
Start	1	End	211
GI	none	Score	130
Exons	1..123, 2..211, 2..208		

Seq. No.	12502	Seq. ID	OJ990810_13.9C23.C35
Gene No.	26470	Strand	-
Start	947	End	1555
Name	OJ990810_13.9C23.C35.o1.tw	Method	TBLASTX:Wheat
Start	2	End	526
GI	none	Score	75
Exons	2..265, 173..265, 205..267, 279..461, 301..450, 450..524, 455..526		

Seq. No.	12502	Seq. ID	OJ990810_13.9C23.C35
Gene No.	26470	Strand	-
Start	947	End	1555
Name	OJ990810_13.9C23.C35.o1.tm	Method	TBLASTX:Maize
Start	214	End	685
GI	none	Score	195
Exons	214..450, 225..458, 226..453, 360..548, 420..560, 440..568, 440..568, 566..685, 597..683		

Seq. No.	12502	Seq. ID	OJ990810_13.9C23.C35
Gene No.	26470	Strand	-
Start	947	End	1555
Name	OJ990810_13.9C23.C35.o3.tm	Method	TBLASTX:Maize
Start	687	End	1036
GI	none	Score	85
Exons	687..824, 749..973, 758..889, 852..983, 983..1036, 983..1033		

Seq. No.	12502	Seq. ID	OJ990810_13.9C23.C35
Gene No.	26470	Strand	-
Start	947	End	1555
Name	OJ990810_13.9C23.C35.o2.np	Method	AAT/NAP
Start	947	End	1555
GI	4416301	Score	98
Exons	947..1120, 1535..1555		
GI Descrip.	(AF105716) gag protein [Zea mays]		

Seq. No.	12503	Seq. ID	OJ990810_13.9C23.C36
Gene No.	26471	Strand	+
Start	3238	End	3974
Name	OJ990810_13.9C23.C36.o2.gs	Method	GENSCAN
Start	3238	End	3974
GI	none	Score	.84
Exons	3238..3658, 3805..3974		

Seq. No.	12503	Seq. ID	OJ990810_13.9C23.C36
Gene No.	26472	Strand	-
Start	1	End	1471
Name	OJ990810_13.9C23.C36.o1.np	Method	AAT/NAP
Start	1	End	1471
GI	3645898	Score	557
Exons	1..445, 509..1471		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	12503	Seq. ID	OJ990810_13.9C23.C36
Gene No.	26472	Strand	-
Start	1	End	1471
Name	OJ990810_13.9C23.C36.o1.gs	Method	GENSCAN

Start	10	End	1063
GI	none	Score	.53
Exons	10..1063		

Seq. No.	12503	Seq. ID	OJ990810_13.9C23.C36
Gene No.	26472	Strand	-
Start	1	End	1471
Name	OJ990810_13.9C23.C36.o1.tm	Method	TBLASTX:Maize
Start	845	End	1249
GI	none	Score	100
Exons	845..1249, 986..1210		

Seq. No.	12504	Seq. ID	OJ990810_13.9C23.C37
Gene No.	26473	Strand	+
Start	97	End	628
Name	OJ990810_13.9C23.C37.o1.tm	Method	TBLASTX:Maize
Start	2	End	628
GI	none	Score	755
Exons	2..622, 4..624, 4..624, 416..628		

Seq. No.	12504	Seq. ID	OJ990810_13.9C23.C37
Gene No.	26473	Strand	+
Start	97	End	628
Name	OJ990810_13.9C23.C37.o1.tc	Method	TBLASTX:Cress
Start	45	End	625
GI	none	Score	273
Exons	45..317, 46..330, 46..330, 370..624, 387..623, 431..625		

Seq. No.	12504	Seq. ID	OJ990810_13.9C23.C37
Gene No.	26473	Strand	+
Start	97	End	628
Name	OJ990810_13.9C23.C37.o1.ts	Method	TBLASTX:Soybean
Start	76	End	628
GI	none	Score	237
Exons	76..342, 78..314, 256..315, 370..624, 384..623, 416..628, 418..624		

Seq. No.	12504	Seq. ID	OJ990810_13.9C23.C37
Gene No.	26473	Strand	+
Start	97	End	628
Name	OJ990810_13.9C23.C37.o1.gs	Method	GENSCAN
Start	97	End	622
GI	none	Score	.83
Exons	97..622		

Seq. No.	12504	Seq. ID	OJ990810_13.9C23.C37
Gene No.	26473	Strand	+
Start	97	End	628
Name	OJ990810_13.9C23.C37.o1.gp	Method	AAT/GAP
Start	138	End	548
GI	LIB3433-052-P1-K1-H8	Score	768
Exons	138..548		
GI Descrip.	'2062705/gb|U90552|HSU90552 9.0e-09 Human butyrophilin (BTF5) mRNA, complete cds'		

Seq. No.	12505	Seq. ID	OJ990810_13.9C23.C38
Gene No.	26474	Strand	-

Start	210	End	401
Name	OJ990810_13.9C23.C38.o1.gs	Method	GENSCAN
Start	210	End	401
GI	none	Score	.41
Exons	210..401		

Seq. No.	12506	Seq. ID	OJ990810_13.9C23.C40
Gene No.	26475	Strand	+
Start	339	End	1320
Name	OJ990810_13.9C23.C40.o1.gs	Method	GENSCAN
Start	339	End	1320
GI	none	Score	.4
Exons	339..415, 1097..1185, 1229..1320		

Seq. No.	12506	Seq. ID	OJ990810_13.9C23.C40
Gene No.	26476	Strand	+
Start	3574	End	8402
Name	OJ990810_13.9C23.C40.o1.gp	Method	AAT/GAP
Start	3111	End	8062
GI	2169_1.R1084	Score	3982
Exons	3111..3279, 3562..4627, 5862..6031, 7324..8062		
GI Descrip.	'2244847/emb|CAB10269.1| 6.0e-31 (Z97337) hydroxyproline-rich glycoprotein homolog [Arabidopsis thaliana]'		

Seq. No.	12506	Seq. ID	OJ990810_13.9C23.C40
Gene No.	26476	Strand	+
Start	3574	End	8402
Name	OJ990810_13.9C23.C40.o2.gs	Method	GENSCAN
Start	3574	End	7737
GI	none	Score	.67
Exons	3574..4627, 5862..6031, 7324..7737		

Seq. No.	12506	Seq. ID	OJ990810_13.9C23.C40
Gene No.	26476	Strand	+
Start	3574	End	8402
Name	OJ990810_13.9C23.C40.o1.np	Method	AAT/NAP
Start	3595	End	8402
GI	2244847	Score	248
Exons	3595..3891, 4006..4627, 5862..5987, 8385..8402		
GI Descrip.	(Z97337) hydroxyproline-rich glycoprotein homolog [Arabidopsis thaliana]		

Seq. No.	12506	Seq. ID	OJ990810_13.9C23.C40
Gene No.	26477	Strand	+
Start	10125	End	10576
Name	OJ990810_13.9C23.C40.o2.gp	Method	AAT/GAP
Start	10125	End	10576
GI	35076_1.R1084	Score	887
Exons	10125..10576		
GI Descrip.	'4586249/emb|CAB40990.1| 9.0e-18 (AL049640) putative pollen surface protein [Arabidopsis thaliana]'		

Seq. No.	12506	Seq. ID	OJ990810_13.9C23.C40
Gene No.	26478	Strand	-
Start	10092	End	12299
Name	OJ990810_13.9C23.C40.o1.tm	Method	TBLASTX:Maize
Start	3572	End	7940

GI	none	Score	246
Exons	3572..3949, 3573..3971, 3574..3972, 3783..3971, 3992..4627, 3993..4628, 3994..4629, 3997..4629, 4376..4633, 5854..6018, 5855..6019, 7320..7526, 7321..7590, 7322..7762, 7397..7537, 7517..7639, 7533..7646, 7534..7656, 7629..7763, 7782..7889, 7791..7859, 7859..7894, 7911..7940		

Seq. No.	12506	Seq. ID	OJ990810_13.9C23.C40
Gene No.	26478	Strand	-
Start	10092	End	12299
Name	OJ990810_13.9C23.C40.o1.ts	Method	TBLASTX:Soybean
Start	3574	End	7706
GI	none	Score	337
Exons	3574..3888, 3574..3759, 4081..4347, 4083..4319, 4375..4629, 4385..4633, 4385..4531, 4389..4628, 5854..5979, 5855..5992, 5855..5980, 7308..7523, 7321..7539, 7321..7515, 7350..7529, 7546..7635, 7656..7706		

Seq. No.	12506	Seq. ID	OJ990810_13.9C23.C40
Gene No.	26478	Strand	-
Start	10092	End	12299
Name	OJ990810_13.9C23.C40.o1.tc	Method	TBLASTX:Cress
Start	3697	End	7467
GI	none	Score	191
Exons	3697..3897, 4053..4322, 4054..4335, 4063..4335, 4374..4628, 4375..4629, 4406..4630, 5854..5985, 5855..5986, 7315..7467, 7318..7464		

Seq. No.	12506	Seq. ID	OJ990810_13.9C23.C40
Gene No.	26478	Strand	-
Start	10092	End	12299
Name	OJ990810_13.9C23.C40.o1.tw	Method	TBLASTX:Wheat
Start	7320	End	7868
GI	none	Score	161
Exons	7320..7526, 7321..7683, 7322..7741, 7322..7738, 7576..7791, 7608..7808, 7729..7809, 7821..7868, 7826..7867		

Seq. No.	12506	Seq. ID	OJ990810_13.9C23.C40
Gene No.	26478	Strand	-
Start	10092	End	12299
Name	OJ990810_13.9C23.C40.o2.np	Method	AAT/NAP
Start	10092	End	12299
GI	4586249	Score	526
Exons	10092..10945, 11542..11597, 12253..12299		
GI Descrip.	(AL049640) putative pollen surface protein [Arabidopsis thaliana]		

Seq. No.	12506	Seq. ID	OJ990810_13.9C23.C40
Gene No.	26478	Strand	-
Start	10092	End	12299
Name	OJ990810_13.9C23.C40.o2.tc	Method	TBLASTX:Cress
Start	10284	End	10934
GI	none	Score	122
Exons	10284..10448, 10383..10646, 10447..10635, 10794..10853, 10851..10934		

Seq. No.	12506	Seq. ID	OJ990810_13.9C23.C40

Gene No.	26478	Strand	-
Start	10092	End	12299
Name	OJ990810_13.9C23.C40.o2.tm	Method	TBLASTX:Maize
Start	10284	End	10943
GI	none	Score	489
Exons	10284..10721, 10384..10935, 10797..10943		

Seq. No.	12506	Seq. ID	OJ990810_13.9C23.C40
Gene No.	26478	Strand	-
Start	10092	End	12299
Name	OJ990810_13.9C23.C40.o2.tw	Method	TBLASTX:Wheat
Start	10284	End	10496
GI	none	Score	98
Exons	10284..10496, 10384..10494		

Seq. No.	12506	Seq. ID	OJ990810_13.9C23.C40
Gene No.	26478	Strand	-
Start	10092	End	12299
Name	OJ990810_13.9C23.C40.o2.ts	Method	TBLASTX:Soybean
Start	10422	End	10943
GI	none	Score	125
Exons	10422..10643, 10429..10644, 10668..10835, 10669..10827, 10845..10943		

Seq. No.	12507	Seq. ID	OJ990810_13.9C23.C41
Gene No.	26479	Strand	+
Start	893	End	2073
Name	OJ990810_13.9C23.C41.o2.gp	Method	AAT/GAP
Start	893	End	1518
GI	2310235	Score	288
Exons	893..930, 1380..1518		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	12507	Seq. ID	OJ990810_13.9C23.C41
Gene No.	26479	Strand	+
Start	893	End	2073
Name	OJ990810_13.9C23.C41.o1.np	Method	AAT/NAP
Start	1380	End	2073
GI	4680203	Score	652
Exons	1380..2073		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	12507	Seq. ID	OJ990810_13.9C23.C41
Gene No.	26479	Strand	+
Start	893	End	2073
Name	OJ990810_13.9C23.C41.o1.gs	Method	GENSCAN
Start	1568	End	2045
GI	none	Score	.42
Exons	1568..2045		

Seq. No.	12507	Seq. ID	OJ990810_13.9C23.C41
Gene No.	26480	Strand	-
Start	1	End	152
Name	OJ990810_13.9C23.C41.o1.gp	Method	AAT/GAP
Start	1	End	152
GI	60910_1.R1084	Score	300

Exons	1..152		
GI Descrip.	'4586249/emb|CAB40990.1| 2.0e-21 (AL049640) putative pollen surface protein [Arabidopsis thaliana]'		
Seq. No.	12507	Seq. ID	OJ990810_13.9C23.C41
Gene No.	26481	Strand	
Start	1685	End	2073
Name	OJ990810_13.9C23.C41.o1.tw	Method	TBLASTX:Wheat
Start	1685	End	2073
GI	none	Score	99
Exons	1685..1837, 1820..2071, 1821..2063, 1828..2070, 1831..2073, 1832..2071		
Seq. No.	12507	Seq. ID	OJ990810_13.9C23.C41
Gene No.	26481	Strand	
Start	1685	End	2073
Name	OJ990810_13.9C23.C41.o1.ts	Method	TBLASTX:Soybean
Start	1853	End	2071
GI	none	Score	216
Exons	1853..2071, 1861..2067		
Seq. No.	12508	Seq. ID	OJ990810_13.9C23.C42
Gene No.	26482	Strand	+
Start	86	End	357
Name	OJ990810_13.9C23.C42.o1.gp	Method	AAT/GAP
Start	86	End	357
GI	2310235	Score	386
Exons	86..357		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	12509	Seq. ID	OJ990810_13.9C23.C43
Gene No.	26483	Strand	-
Start	74	End	3149
Name	OJ990810_13.9C23.C43.o1.gp	Method	AAT/GAP
Start	74	End	3149
GI	342_1.R1084	Score	5036
Exons	74..624, 702..721, 757..3149		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	12509	Seq. ID	OJ990810_13.9C23.C43
Gene No.	26483	Strand	-
Start	74	End	3149
Name	OJ990810_13.9C23.C43.o1.tw	Method	TBLASTX:Wheat
Start	903	End	2182
GI	none	Score	52
Exons	903..995, 904..969, 984..1064, 1077..1217, 1078..1218, 1165..1260, 1197..1256, 1263..1304, 1263..1307, 1268..1309, 1302..1589, 1318..1461, 1506..1718, 1507..1854, 1561..1818, 1736..1819, 1764..1823, 1822..1974, 1825..2181, 1826..2182		
Seq. No.	12509	Seq. ID	OJ990810_13.9C23.C43
Gene No.	26483	Strand	-
Start	74	End	3149
Name	OJ990810_13.9C23.C43.o1.np	Method	AAT/NAP
Start	1387	End	3149

GI	6742729	Score	2643
Exons	1387..3149		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	12509	Seq. ID	OJ990810_13.9C23.C43
Gene No.	26483	Strand	-
Start	74	End	3149
Name	OJ990810_13.9C23.C43.o1.tc	Method	TBLASTX:Cress
Start	1506	End	1894
GI	none	Score	229
Exons	1506..1823, 1507..1854, 1825..1890, 1826..1894		

Seq. No.	12509	Seq. ID	OJ990810_13.9C23.C43
Gene No.	26483	Strand	-
Start	74	End	3149
Name	OJ990810_13.9C23.C43.o1.tm	Method	TBLASTX:Maize
Start	1825	End	2139
GI	none	Score	63
Exons	1825..2055, 1825..2139, 1853..2128		

Seq. No.	12509	Seq. ID	OJ990810_13.9C23.C43
Gene No.	26483	Strand	-
Start	74	End	3149
Name	OJ990810_13.9C23.C43.o3.tw	Method	TBLASTX:Wheat
Start	2191	End	2593
GI	none	Score	73
Exons	2191..2268, 2192..2272, 2195..2269, 2302..2544, 2342..2524, 2492..2593, 2530..2592		

Seq. No.	12509	Seq. ID	OJ990810_13.9C23.C43
Gene No.	26483	Strand	-
Start	74	End	3149
Name	OJ990810_13.9C23.C43.o1.ts	Method	TBLASTX:Soybean
Start	2626	End	2868
GI	none	Score	214
Exons	2626..2868		

Seq. No.	12509	Seq. ID	OJ990810_13.9C23.C43
Gene No.	26483	Strand	-
Start	74	End	3149
Name	OJ990810_13.9C23.C43.o2.tm	Method	TBLASTX:Maize
Start	2698	End	3134
GI	none	Score	52
Exons	2698..2892, 2902..3027, 2903..3028, 3018..3125, 3018..3134		

Seq. No.	12509	Seq. ID	OJ990810_13.9C23.C43
Gene No.	26483	Strand	-
Start	74	End	3149
Name	OJ990810_13.9C23.C43.o2.tw	Method	TBLASTX:Wheat
Start	2732	End	3135
GI	none	Score	151
Exons	2732..2938, 2737..2940, 2737..2961, 2939..3016, 2941..3027, 2942..3028, 3018..3038, 3021..3125, 3042..3134, 3046..3135		

Seq. No.	12510	Seq. ID	OJ990520_03.9C23.C1
Gene No.	26484	Strand	-
Start	40	End	525

Name	OJ990520_03.9C23.C1.o1.gs	Method	GENSCAN
Start	40	End	525
GI	none	Score	.93
Exons	40..525		

Seq. No.	12511	Seq. ID	OJ990520_03.9C23.C2
Gene No.	26485	Strand	+
Start	1	End	1554
Name	OJ990520_03.9C23.C2.o1.np	Method	AAT/NAP
Start	1	End	1464
GI	4432824	Score	154
Exons	1..25, 1157..1464		
GI Descrip.	(AC006593) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12511	Seq. ID	OJ990520_03.9C23.C2
Gene No.	26485	Strand	+
Start	1	End	1554
Name	OJ990520_03.9C23.C2.o1.gs	Method	GENSCAN
Start	69	End	283
GI	none	Score	.93
Exons	69..283		

Seq. No.	12511	Seq. ID	OJ990520_03.9C23.C2
Gene No.	26485	Strand	+
Start	1	End	1554
Name	OJ990520_03.9C23.C2.o2.gs	Method	GENSCAN
Start	1288	End	1554
GI	none	Score	.78
Exons	1288..1554		

Seq. No.	12511	Seq. ID	OJ990520_03.9C23.C2
Gene No.	26486	Strand	-
Start	1	End	351
Name	OJ990520_03.9C23.C2.o1.gp	Method	AAT/GAP
Start	1	End	351
GI	65969_1.R1084	Score	651
Exons	1..351		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-149 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	12512	Seq. ID	OJ990520_03.9C23.C3
Gene No.	26487	Strand	+
Start	3813	End	7863
Name	OJ990520_03.9C23.C3.o4.np	Method	AAT/NAP
Start	3813	End	7863
GI	4680183	Score	122
Exons	3813..3850, 7774..7863		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	12512	Seq. ID	OJ990520_03.9C23.C3
Gene No.	26488	Strand	-
Start	852	End	1601
Name	OJ990520_03.9C23.C3.o1.np	Method	AAT/NAP
Start	632	End	1601
GI	5734716	Score	252
Exons	632..739, 1071..1255, 1340..1411, 1505..1601		
GI Descrip.	(AC008075) Simialr to gb|AF049928 PGP224 protein from Petunia x		

hybrida. [Arabidopsis thaliana]

Seq. No.	12512	Seq. ID	OJ990520_03.9C23.C3
Gene No.	26488	Strand	-
Start	852	End	1601
Name	OJ990520_03.9C23.C3.o1.gs	Method	GENSCAN
Start	852	End	1559
GI	none	Score	.93
Exons	852..922, 1046..1255, 1340..1411, 1505..1559		

Seq. No.	12512	Seq. ID	OJ990520_03.9C23.C3
Gene No.	26489	Strand	-
Start	2907	End	3836
Name	OJ990520_03.9C23.C3.o2.gs	Method	GENSCAN
Start	2907	End	3836
GI	none	Score	1
Exons	2907..3145, 3623..3836		

Seq. No.	12512	Seq. ID	OJ990520_03.9C23.C3
Gene No.	26489	Strand	-
Start	2907	End	3836
Name	OJ990520_03.9C23.C3.o2.np	Method	AAT/NAP
Start	2943	End	3821
GI	3395754	Score	181
Exons	2943..3145, 3623..3651, 3685..3821		
GI Descrip.	(U76296) plantacyanin [Spinacia oleracea]		

Seq. No.	12512	Seq. ID	OJ990520_03.9C23.C3
Gene No.	26490	Strand	-
Start	6479	End	9007
Name	OJ990520_03.9C23.C3.o1.tm	Method	TBLASTX:Maize
Start	1027	End	8838
GI	none	Score	127
Exons	1027..1206, 1044..1238, 1098..1235, 1341..1409, 1342..1395, 1488..1556, 8692..8838		

Seq. No.	12512	Seq. ID	OJ990520_03.9C23.C3
Gene No.	26490	Strand	-
Start	6479	End	9007
Name	OJ990520_03.9C23.C3.o1.tc	Method	TBLASTX:Cress
Start	1044	End	1554
GI	none	Score	81
Exons	1044..1229, 1063..1224, 1305..1409, 1342..1395, 1503..1553, 1516..1554		

Seq. No.	12512	Seq. ID	OJ990520_03.9C23.C3
Gene No.	26490	Strand	-
Start	6479	End	9007
Name	OJ990520_03.9C23.C3.o1.ts	Method	TBLASTX:Soybean
Start	1044	End	1550
GI	none	Score	79
Exons	1044..1229, 1045..1215, 1341..1409, 1342..1395, 1488..1550		

Seq. No.	12512	Seq. ID	OJ990520_03.9C23.C3
Gene No.	26490	Strand	-
Start	6479	End	9007
Name	OJ990520_03.9C23.C3.o1.tw	Method	TBLASTX:Wheat

Start	1073	End	1547
GI	none	Score	117
Exons	1073..1225, 1074..1229, 1075..1215, 1098..1226, 1305..1409, 1312..1395, 1346..1411, 1503..1547		

Seq. No.	12512	Seq. ID	OJ990520_03.9C23.C3
Gene No.	26490	Strand	-
Start	6479	End	9007
Name	OJ990520_03.9C23.C3.o3.np	Method	AAT/NAP
Start	5680	End	7741
GI	6721561	Score	124
Exons	5680..5704, 7642..7741		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	12512	Seq. ID	OJ990520_03.9C23.C3
Gene No.	26490	Strand	-
Start	6479	End	9007
Name	OJ990520_03.9C23.C3.o3.gs	Method	GENSCAN
Start	6479	End	9007
GI	none	Score	.41
Exons	6479..6684, 8645..9007		

Seq. No.	12512	Seq. ID	OJ990520_03.9C23.C3
Gene No.	26490	Strand	-
Start	6479	End	9007
Name	OJ990520_03.9C23.C3.o1.gp	Method	AAT/GAP
Start	7034	End	7146
GI	uC-osflcyp088b12b1	Score	168
Exons	7034..7146		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	12513	Seq. ID	OJ990520_03.9C23.C4
Gene No.	26491	Strand	+
Start	288	End	587
Name	OJ990520_03.9C23.C4.o1.gs	Method	GENSCAN
Start	288	End	587
GI	none	Score	.63
Exons	288..358, 469..587		

Seq. No.	12514	Seq. ID	OJ990520_03.9C23.C5
Gene No.	26492	Strand	+
Start	1	End	3061
Name	OJ990520_03.9C23.C5.o1.np	Method	AAT/NAP
Start	1	End	3061
GI	6466937	Score	2096
Exons	1..3061		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	12514	Seq. ID	OJ990520_03.9C23.C5
Gene No.	26492	Strand	+
Start	1	End	3061

Name	OJ990520_03.9C23.C5.o5.tm	Method	TBLASTX:Maize
Start	95	End	388
GI	none	Score	246
Exons	95..388, 173..388		

Seq. No.	12514	Seq. ID	OJ990520_03.9C23.C5
Gene No.	26492	Strand	+
Start	1	End	3061
Name	OJ990520_03.9C23.C5.o2.tw	Method	TBLASTX:Wheat
Start	635	End	1117
GI	none	Score	359
Exons	635..1117, 781..1074		

Seq. No.	12514	Seq. ID	OJ990520_03.9C23.C5
Gene No.	26492	Strand	+
Start	1	End	3061
Name	OJ990520_03.9C23.C5.o4.ts	Method	TBLASTX:Soybean
Start	671	End	985
GI	none	Score	198
Exons	671..985		

Seq. No.	12514	Seq. ID	OJ990520_03.9C23.C5
Gene No.	26492	Strand	+
Start	1	End	3061
Name	OJ990520_03.9C23.C5.o3.tm	Method	TBLASTX:Maize
Start	698	End	1171
GI	none	Score	594
Exons	698..1171, 700..1161, 749..1168		

Seq. No.	12514	Seq. ID	OJ990520_03.9C23.C5
Gene No.	26492	Strand	+
Start	1	End	3061
Name	OJ990520_03.9C23.C5.o2.ts	Method	TBLASTX:Soybean
Start	1082	End	1441
GI	none	Score	312
Exons	1082..1441		

Seq. No.	12514	Seq. ID	OJ990520_03.9C23.C5
Gene No.	26492	Strand	+
Start	1	End	3061
Name	OJ990520_03.9C23.C5.o4.tw	Method	TBLASTX:Wheat
Start	1166	End	1567
GI	none	Score	328
Exons	1166..1567, 1198..1533		

Seq. No.	12514	Seq. ID	OJ990520_03.9C23.C5
Gene No.	26492	Strand	+
Start	1	End	3061
Name	OJ990520_03.9C23.C5.o4.tm	Method	TBLASTX:Maize
Start	1172	End	2934
GI	none	Score	260
Exons	1172..1396, 1174..1389, 2875..2934		

Seq. No.	12514	Seq. ID	OJ990520_03.9C23.C5
Gene No.	26492	Strand	+
Start	1	End	3061
Name	OJ990520_03.9C23.C5.o2.tm	Method	TBLASTX:Maize

Start	1400	End	1912
GI	none	Score	618
Exons	1400..1891, 1402..1887, 1532..1912		

Seq. No.	12514	Seq. ID	OJ990520_03.9C23.C5
Gene No.	26492	Strand	+
Start	1	End	3061
Name	OJ990520_03.9C23.C5.o3.ts	Method	TBLASTX:Soybean
Start	1475	End	1720
GI	none	Score	209
Exons	1475..1720, 1477..1617, 1532..1672		

Seq. No.	12514	Seq. ID	OJ990520_03.9C23.C5
Gene No.	26492	Strand	+
Start	1	End	3061
Name	OJ990520_03.9C23.C5.o1.tw	Method	TBLASTX:Wheat
Start	1889	End	2308
GI	none	Score	363
Exons	1889..2308, 2017..2151, 2033..2281, 2188..2307		

Seq. No.	12514	Seq. ID	OJ990520_03.9C23.C5
Gene No.	26492	Strand	+
Start	1	End	3061
Name	OJ990520_03.9C23.C5.o6.tm	Method	TBLASTX:Maize
Start	1913	End	2140
GI	none	Score	193
Exons	1913..2140, 2008..2139		

Seq. No.	12514	Seq. ID	OJ990520_03.9C23.C5
Gene No.	26492	Strand	+
Start	1	End	3061
Name	OJ990520_03.9C23.C5.o1.tm	Method	TBLASTX:Maize
Start	2141	End	2776
GI	none	Score	788
Exons	2141..2776, 2143..2775, 2372..2776		

Seq. No.	12514	Seq. ID	OJ990520_03.9C23.C5
Gene No.	26492	Strand	+
Start	1	End	3061
Name	OJ990520_03.9C23.C5.o1.ts	Method	TBLASTX:Soybean
Start	2177	End	2548
GI	none	Score	338
Exons	2177..2548, 2200..2544		

Seq. No.	12514	Seq. ID	OJ990520_03.9C23.C5
Gene No.	26492	Strand	+
Start	1	End	3061
Name	OJ990520_03.9C23.C5.o3.tw	Method	TBLASTX:Wheat
Start	2396	End	2980
GI	none	Score	294
Exons	2396..2788, 2488..2775, 2840..2980		

Seq. No.	12515	Seq. ID	OJ990520_03.9C23.C6
Gene No.	26493	Strand	+
Start	312	End	498
Name	OJ990520_03.9C23.C6.o1.gp	Method	AAT/GAP
Start	312	End	498

GI	65969_1.R1084	Score	271
Exons	312..498		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-149 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	12515	Seq. ID	OJ990520_03.9C23.C6
Gene No.	26494	Strand	-
Start	50	End	2449
Name	OJ990520_03.9C23.C6.o1.gs	Method	GENSCAN
Start	50	End	2192
GI	none	Score	.79
Exons	50..226, 799..1332, 1460..1747, 1820..1963, 2160..2192		

Seq. No.	12515	Seq. ID	OJ990520_03.9C23.C6
Gene No.	26494	Strand	-
Start	50	End	2449
Name	OJ990520_03.9C23.C6.o1.tm	Method	TBLASTX:Maize
Start	478	End	1738
GI	none	Score	67
Exons	478..591, 494..550, 580..702, 796..912, 1034..1267, 1039..1302, 1445..1732, 1459..1689, 1463..1738		

Seq. No.	12515	Seq. ID	OJ990520_03.9C23.C6
Gene No.	26494	Strand	-
Start	50	End	2449
Name	OJ990520_03.9C23.C6.o2.ts	Method	TBLASTX:Soybean
Start	481	End	930
GI	none	Score	76
Exons	481..591, 482..568, 592..702, 796..930		

Seq. No.	12515	Seq. ID	OJ990520_03.9C23.C6
Gene No.	26494	Strand	-
Start	50	End	2449
Name	OJ990520_03.9C23.C6.o1.np	Method	AAT/NAP
Start	863	End	2449
GI	6957707	Score	568
Exons	863..1332, 1460..1754, 2364..2449		
GI Descrip.	(AC021640) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12515	Seq. ID	OJ990520_03.9C23.C6
Gene No.	26494	Strand	-
Start	50	End	2449
Name	OJ990520_03.9C23.C6.o1.ts	Method	TBLASTX:Soybean
Start	1018	End	1732
GI	none	Score	80
Exons	1018..1269, 1148..1270, 1454..1729, 1454..1732		

Seq. No.	12515	Seq. ID	OJ990520_03.9C23.C6
Gene No.	26494	Strand	-
Start	50	End	2449
Name	OJ990520_03.9C23.C6.o1.tc	Method	TBLASTX:Cress
Start	1445	End	1732
GI	none	Score	64
Exons	1445..1732, 1451..1729		

Seq. No.	12516	Seq. ID	OJ990520_03.9C23.C8
Gene No.	26495	Strand	+

Start	1	End	132
Name	OJ990520_03.9C23.C8.o1.gp	Method	AAT/GAP
Start	1	End	132
GI	2427387	Score	203
Exons	1..132		
GI Descrip.	5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	12516	Seq. ID	OJ990520_03.9C23.C8
Gene No.	26496	Strand	-
Start	104	End	185
Name	OJ990520_03.9C23.C8.o1.gs	Method	GENSCAN
Start	104	End	185
GI	none	Score	.82
Exons	104..185		

Seq. No.	12517	Seq. ID	OJ990520_03.9C23.C9
Gene No.	26497	Strand	-
Start	1	End	481
Name	OJ990520_03.9C23.C9.o1.np	Method	AAT/NAP
Start	1	End	481
GI	6069646	Score	161
Exons	1..481		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	12517	Seq. ID	OJ990520_03.9C23.C9
Gene No.	26497	Strand	-
Start	1	End	481
Name	OJ990520_03.9C23.C9.o1.tm	Method	TBLASTX:Maize
Start	21	End	465
GI	none	Score	61
Exons	21..461, 39..272, 178..465		

Seq. No.	12517	Seq. ID	OJ990520_03.9C23.C9
Gene No.	26497	Strand	-
Start	1	End	481
Name	OJ990520_03.9C23.C9.o1.tw	Method	TBLASTX:Wheat
Start	63	End	471
GI	none	Score	72
Exons	63..137, 114..275, 132..287, 288..464, 289..471		

Seq. No.	12518	Seq. ID	OJ990520_03.9C23.C10
Gene No.	26498	Strand	-
Start	1	End	492
Name	OJ990520_03.9C23.C10.o1.np	Method	AAT/NAP
Start	1	End	492
GI	6907089	Score	832
Exons	1..492		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	12519	Seq. ID	OJ990520_03.9C23.C13
Gene No.	26499	Strand	+
Start	96	End	502

Name	OJ990520_03.9C23.C13.o1.gs	Method	GENSCAN
Start	96	End	502
GI	none	Score	.42
Exons	96..502		

Seq. No.	12520	Seq. ID	OJ990520_03.9C23.C14
Gene No.	26500	Strand	+
Start	843	End	1059
Name	OJ990520_03.9C23.C14.o1.gs	Method	GENSCAN
Start	843	End	1059
GI	none	Score	.94
Exons	843..1059		

Seq. No.	12520	Seq. ID	OJ990520_03.9C23.C14
Gene No.	26501	Strand	-
Start	787	End	1065
Name	OJ990520_03.9C23.C14.o1.np	Method	AAT/NAP
Start	787	End	1065
GI	4432824	Score	152
Exons	787..1065		
GI Descrip.	(AC006593) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12521	Seq. ID	OJ990520_03.9C23.C15
Gene No.	26502	Strand	-
Start	233	End	1478
Name	OJ990520_03.9C23.C15.o1.gs	Method	GENSCAN
Start	233	End	1410
GI	none	Score	.8
Exons	233..778, 1057..1410		

Seq. No.	12521	Seq. ID	OJ990520_03.9C23.C15
Gene No.	26502	Strand	-
Start	233	End	1478
Name	OJ990520_03.9C23.C15.o1.np	Method	AAT/NAP
Start	239	End	1478
GI	4432824	Score	855
Exons	239..1478		
GI Descrip.	(AC006593) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12521	Seq. ID	OJ990520_03.9C23.C15
Gene No.	26502	Strand	-
Start	233	End	1478
Name	OJ990520_03.9C23.C15.o2.ts	Method	TBLASTX:Soybean
Start	422	End	760
GI	none	Score	130
Exons	422..688, 425..760		

Seq. No.	12521	Seq. ID	OJ990520_03.9C23.C15
Gene No.	26502	Strand	-
Start	233	End	1478
Name	OJ990520_03.9C23.C15.o1.tc	Method	TBLASTX:Cress
Start	425	End	694
GI	none	Score	64
Exons	425..694, 461..637		

Seq. No.	12521	Seq. ID	OJ990520_03.9C23.C15
Gene No.	26502	Strand	-

Start	233	End	1478
Name	OJ990520_03.9C23.C15.o1.ts	Method	TBLASTX:Soybean
Start	1204	End	1416
GI	none	Score	69
Exons	1204..1416, 1205..1276, 1325..1402		

Seq. No.	12522	Seq. ID	OJ990520_03.9C23.C16
Gene No.	26503	Strand	+
Start	3529	End	9648
Name	OJ990520_03.9C23.C16.o1.gs	Method	GENSCAN
Start	3529	End	9585
GI	none	Score	.5
Exons	3529..3675, 3746..3795, 4867..4979, 5005..5133, 6655..7094, 7158..8201, 8369..9585		

Seq. No.	12522	Seq. ID	OJ990520_03.9C23.C16
Gene No.	26503	Strand	+
Start	3529	End	9648
Name	OJ990520_03.9C23.C16.o2.np	Method	AAT/NAP
Start	6625	End	9648
GI	6498441	Score	3274
Exons	6625..7094, 7158..7531, 7715..7851, 8026..8303, 8495..8938, 9110..9648		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	12522	Seq. ID	OJ990520_03.9C23.C16
Gene No.	26504	Strand	-
Start	5056	End	9648
Name	OJ990520_03.9C23.C16.o1.np	Method	AAT/NAP
Start	5056	End	9648
GI	5042454	Score	363
Exons	5056..5109, 5344..5516, 6195..6390, 8735..8876, 9489..9648		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	12522	Seq. ID	OJ990520_03.9C23.C16
Gene No.	26504	Strand	-
Start	5056	End	9648
Name	OJ990520_03.9C23.C16.o4.tw	Method	TBLASTX:Wheat
Start	6606	End	6974
GI	none	Score	345
Exons	6606..6974, 6710..6970		

Seq. No.	12522	Seq. ID	OJ990520_03.9C23.C16
Gene No.	26504	Strand	-
Start	5056	End	9648
Name	OJ990520_03.9C23.C16.o1.tw	Method	TBLASTX:Wheat
Start	7166	End	7628
GI	none	Score	587
Exons	7166..7621, 7167..7628		

Seq. No.	12522	Seq. ID	OJ990520_03.9C23.C16
Gene No.	26504	Strand	-
Start	5056	End	9648
Name	OJ990520_03.9C23.C16.o3.ts	Method	TBLASTX:Soybean
Start	7206	End	7571

GI	none	Score	117
Exons	7206..7430, 7437..7571		

Seq. No.	12522	Seq. ID	OJ990520_03.9C23.C16
Gene No.	26504	Strand	-
Start	5056	End	9648
Name	OJ990520_03.9C23.C16.o1.tm	Method	TBLASTX:Maize
Start	7296	End	7652
GI	none	Score	392
Exons	7296..7652, 7331..7642, 7347..7652		

Seq. No.	12522	Seq. ID	OJ990520_03.9C23.C16
Gene No.	26504	Strand	-
Start	5056	End	9648
Name	OJ990520_03.9C23.C16.o2.tm	Method	TBLASTX:Maize
Start	7679	End	8063
GI	none	Score	358
Exons	7679..8044, 7680..8063		

Seq. No.	12522	Seq. ID	OJ990520_03.9C23.C16
Gene No.	26504	Strand	-
Start	5056	End	9648
Name	OJ990520_03.9C23.C16.o2.tw	Method	TBLASTX:Wheat
Start	7736	End	9614
GI	none	Score	496
Exons	7736..8161, 7737..8156, 9531..9614		

Seq. No.	12522	Seq. ID	OJ990520_03.9C23.C16
Gene No.	26504	Strand	-
Start	5056	End	9648
Name	OJ990520_03.9C23.C16.o1.ts	Method	TBLASTX:Soybean
Start	7815	End	8186
GI	none	Score	279
Exons	7815..8186, 7832..7975		

Seq. No.	12522	Seq. ID	OJ990520_03.9C23.C16
Gene No.	26504	Strand	-
Start	5056	End	9648
Name	OJ990520_03.9C23.C16.o3.tw	Method	TBLASTX:Wheat
Start	8786	End	9244
GI	none	Score	234
Exons	8786..9034, 8810..9034, 8875..9048, 9095..9244, 9104..9241, 9106..9243		

Seq. No.	12522	Seq. ID	OJ990520_03.9C23.C16
Gene No.	26504	Strand	-
Start	5056	End	9648
Name	OJ990520_03.9C23.C16.o2.ts	Method	TBLASTX:Soybean
Start	8933	End	9499
GI	5666795	Score	68
Exons	8933..9031, 9107..9244, 9299..9499		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	12523	Seq. ID	OJ990520_03.9C23.C17
Gene No.	26505	Strand	+
Start	1	End	1655
Name	OJ990520_03.9C23.C17.o1.np	Method	AAT/NAP

Start	1	End	1652
GI	6498441	Score	2533
Exons	1..1277, 1371..1652		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	12523	Seq. ID	OJ990520_03.9C23.C17
Gene No.	26505	Strand	+
Start	1	End	1655
Name	OJ990520_03.9C23.C17.o1.gs	Method	GENSCAN
Start	76	End	1655
GI	none	Score	.46
Exons	76..713, 954..1655		

Seq. No.	12523	Seq. ID	OJ990520_03.9C23.C17
Gene No.	26506	Strand	-
Start	2301	End	2725
Name	OJ990520_03.9C23.C17.o3.tw	Method	TBLASTX:Wheat
Start	8	End	471
GI	none	Score	175
Exons	8..193, 78..329, 418..471		

Seq. No.	12523	Seq. ID	OJ990520_03.9C23.C17
Gene No.	26506	Strand	-
Start	2301	End	2725
Name	OJ990520_03.9C23.C17.o1.tm	Method	TBLASTX:Maize
Start	531	End	845
GI	none	Score	360
Exons	531..845, 566..832		

Seq. No.	12523	Seq. ID	OJ990520_03.9C23.C17
Gene No.	26506	Strand	-
Start	2301	End	2725
Name	OJ990520_03.9C23.C17.o1.tw	Method	TBLASTX:Wheat
Start	659	End	1040
GI	none	Score	360
Exons	659..715, 660..1040, 663..914, 761..1009		

Seq. No.	12523	Seq. ID	OJ990520_03.9C23.C17
Gene No.	26506	Strand	-
Start	2301	End	2725
Name	OJ990520_03.9C23.C17.o2.tw	Method	TBLASTX:Wheat
Start	1041	End	1643
GI	none	Score	266
Exons	1041..1331, 1046..1324, 1518..1643		

Seq. No.	12523	Seq. ID	OJ990520_03.9C23.C17
Gene No.	26506	Strand	-
Start	2301	End	2725
Name	OJ990520_03.9C23.C17.o2.gs	Method	GENSCAN
Start	2301	End	2633
GI	none	Score	1
Exons	2301..2633		

Seq. No.	12523	Seq. ID	OJ990520_03.9C23.C17
Gene No.	26506	Strand	-

Start	2301	End	2725
Name	OJ990520_03.9C23.C17.o2.np	Method	AAT/NAP
Start	2304	End	2725
GI	5803259	Score	565
Exons	2304..2725		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	12524	Seq. ID	OJ990520_03.9C23.C18
Gene No.	26507	Strand	+
Start	596	End	884
Name	OJ990520_03.9C23.C18.o1.gs	Method	GENSCAN
Start	596	End	884
GI	none	Score	.46
Exons	596..884		

Seq. No.	12525	Seq. ID	OJ990520_03.9C23.C19
Gene No.	26508	Strand	+
Start	58	End	632
Name	OJ990520_03.9C23.C19.o1.gs	Method	GENSCAN
Start	58	End	632
GI	none	Score	.48
Exons	58..632		

Seq. No.	12525	Seq. ID	OJ990520_03.9C23.C19
Gene No.	26509	Strand	-
Start	1223	End	1401
Name	OJ990520_03.9C23.C19.o2.gs	Method	GENSCAN
Start	1223	End	1401
GI	none	Score	.79
Exons	1223..1401		

Seq. No.	12526	Seq. ID	OJ990520_03.9C23.C20
Gene No.	26510	Strand	+
Start	1284	End	1669
Name	OJ990520_03.9C23.C20.o1.gp	Method	AAT/GAP
Start	1284	End	1669
GI	uC-osflcyp033a04b1	Score	645
Exons	1284..1669		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	12526	Seq. ID	OJ990520_03.9C23.C20
Gene No.	26511	Strand	-
Start	1	End	3341
Name	OJ990520_03.9C23.C20.o1.np	Method	AAT/NAP
Start	1	End	3341
GI	5852180	Score	725
Exons	1..361, 413..529, 1518..1565, 3258..3341		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	12526	Seq. ID	OJ990520_03.9C23.C20
Gene No.	26511	Strand	-
Start	1	End	3341
Name	OJ990520_03.9C23.C20.o1.gs	Method	GENSCAN
Start	55	End	852
GI	none	Score	.5
Exons	55..361, 413..529, 686..852		

Seq. No.	12526	Seq. ID	OJ990520_03.9C23.C20
Gene No.	26511	Strand	-
Start	1	End	3341
Name	OJ990520_03.9C23.C20.o2.np	Method	AAT/NAP
Start	201	End	3341
GI	5803259	Score	940
Exons	201..354, 2374..3158, 3258..3341		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	12526	Seq. ID	OJ990520_03.9C23.C20
Gene No.	26511	Strand	-
Start	1	End	3341
Name	OJ990520_03.9C23.C20.o2.gs	Method	GENSCAN
Start	2355	End	3331
GI	none	Score	.8
Exons	2355..2546, 2603..3158, 3258..3331		

Seq. No.	12527	Seq. ID	OJ990520_03.9C23.C21
Gene No.	26512	Strand	+
Start	366	End	447
Name	OJ990520_03.9C23.C21.o1.gs	Method	GENSCAN
Start	366	End	447
GI	none	Score	.74
Exons	366..447		

Seq. No.	12527	Seq. ID	OJ990520_03.9C23.C21
Gene No.	26513	Strand	-
Start	180	End	751
Name	OJ990520_03.9C23.C21.o1.np	Method	AAT/NAP
Start	180	End	751
GI	6063554	Score	90
Exons	180..351, 727..751		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	12527	Seq. ID	OJ990520_03.9C23.C21
Gene No.	26513	Strand	-
Start	180	End	751
Name	OJ990520_03.9C23.C21.o1.gp	Method	AAT/GAP
Start	419	End	751
GI	2427387	Score	496
Exons	419..751		
GI Descrip.	5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	12528	Seq. ID	OJ990520_03.9C23.C22
Gene No.	26514	Strand	+
Start	1	End	942
Name	OJ990520_03.9C23.C22.o1.np	Method	AAT/NAP
Start	1	End	776
GI	3810596	Score	459
Exons	1..776		
GI Descrip.	(AC005398) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	12528	Seq. ID	OJ990520_03.9C23.C22
Gene No.	26514	Strand	+
Start	1	End	942
Name	OJ990520_03.9C23.C22.o2.tm	Method	TBLASTX:Maize
Start	1	End	140
GI	none	Score	64
Exons	1..129, 2..127, 3..140, 3..137		

Seq. No.	12528	Seq. ID	OJ990520_03.9C23.C22
Gene No.	26514	Strand	+
Start	1	End	942
Name	OJ990520_03.9C23.C22.o2.tw	Method	TBLASTX:Wheat
Start	27	End	227
GI	none	Score	213
Exons	27..227, 29..196		

Seq. No.	12528	Seq. ID	OJ990520_03.9C23.C22
Gene No.	26514	Strand	+
Start	1	End	942
Name	OJ990520_03.9C23.C22.o1.tm	Method	TBLASTX:Maize
Start	141	End	942
GI	none	Score	91
Exons	141..200, 219..854, 234..539, 667..762, 675..794, 855..935, 861..935, 919..942		

Seq. No.	12528	Seq. ID	OJ990520_03.9C23.C22
Gene No.	26514	Strand	+
Start	1	End	942
Name	OJ990520_03.9C23.C22.o1.tw	Method	TBLASTX:Wheat
Start	243	End	593
GI	none	Score	344
Exons	243..593, 276..536, 278..544		

Seq. No.	12529	Seq. ID	OJ990520_03.9C23.C23
Gene No.	26515	Strand	+
Start	815	End	1310
Name	OJ990520_03.9C23.C23.o1.gs	Method	GENSCAN
Start	815	End	1310
GI	none	Score	.81
Exons	815..1213, 1266..1310		

Seq. No.	12530	Seq. ID	OJ990520_03.9C23.C26
Gene No.	26516	Strand	+
Start	1	End	7226
Name	OJ990520_03.9C23.C26.o2.np	Method	AAT/NAP
Start	1	End	7226
GI	5852175	Score	101
Exons	1..21, 5846..5902, 6474..6567, 7194..7226		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	12530	Seq. ID	OJ990520_03.9C23.C26
Gene No.	26516	Strand	+
Start	1	End	7226
Name	OJ990520_03.9C23.C26.o1.gs	Method	GENSCAN
Start	231	End	3508
GI	none	Score	.76
Exons	231..382, 841..971, 1915..2050, 2113..2305, 2831..3193,		

3326..3508

Seq. No.	12530	Seq. ID	OJ990520_03.9C23.C26
Gene No.	26516	Strand	+
Start	1	End	7226
Name	OJ990520_03.9C23.C26.o1.gp	Method	AAT/GAP
Start	5365	End	6101
GI	101153_1.R1084	Score	390
Exons	5365..5402, 5851..6101		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	12530	Seq. ID	OJ990520_03.9C23.C26
Gene No.	26517	Strand	-
Start	4942	End	7473
Name	OJ990520_03.9C23.C26.o1.np	Method	AAT/NAP
Start	4934	End	6460
GI	5852179	Score	404
Exons	4934..5161, 5236..5451, 6440..6460		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	12530	Seq. ID	OJ990520_03.9C23.C26
Gene No.	26517	Strand	-
Start	4942	End	7473
Name	OJ990520_03.9C23.C26.o2.gs	Method	GENSCAN
Start	4942	End	7473
GI	none	Score	.99
Exons	4942..5202, 5213..5496, 7368..7473		

Seq. No.	12531	Seq. ID	OJ990520_03.9C23.C27
Gene No.	26518	Strand	-
Start	1	End	4105
Name	OJ990520_03.9C23.C27.o1.np	Method	AAT/NAP
Start	1	End	4105
GI	4206306	Score	2948
Exons	1..3681, 4008..4105		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	12531	Seq. ID	OJ990520_03.9C23.C27
Gene No.	26518	Strand	-
Start	1	End	4105
Name	OJ990520_03.9C23.C27.o4.tm	Method	TBLASTX:Maize
Start	163	End	405
GI	none	Score	203
Exons	163..405		

Seq. No.	12531	Seq. ID	OJ990520_03.9C23.C27
Gene No.	26518	Strand	-
Start	1	End	4105
Name	OJ990520_03.9C23.C27.o6.tw	Method	TBLASTX:Wheat
Start	172	End	450
GI	none	Score	102
Exons	172..303, 331..450		

Seq. No.	12531	Seq. ID	OJ990520_03.9C23.C27
Gene No.	26518	Strand	-
Start	1	End	4105

Name	OJ990520_03.9C23.C27.o3.ts	Method	TBLASTX:Soybean
Start	421	End	797
GI	none	Score	97
Exons	421..534, 519..647, 654..797		

Seq. No.	12531	Seq. ID	OJ990520_03.9C23.C27
Gene No.	26518	Strand	-
Start	1	End	4105
Name	OJ990520_03.9C23.C27.o5.tm	Method	TBLASTX:Maize
Start	436	End	608
GI	none	Score	103
Exons	436..528, 437..535, 523..606, 528..608		

Seq. No.	12531	Seq. ID	OJ990520_03.9C23.C27
Gene No.	26518	Strand	-
Start	1	End	4105
Name	OJ990520_03.9C23.C27.o4.tw	Method	TBLASTX:Wheat
Start	570	End	959
GI	none	Score	58
Exons	570..959, 579..710		

Seq. No.	12531	Seq. ID	OJ990520_03.9C23.C27
Gene No.	26518	Strand	-
Start	1	End	4105
Name	OJ990520_03.9C23.C27.o3.tm	Method	TBLASTX:Maize
Start	609	End	1067
GI	none	Score	92
Exons	609..1067, 748..960, 792..1004		

Seq. No.	12531	Seq. ID	OJ990520_03.9C23.C27
Gene No.	26518	Strand	-
Start	1	End	4105
Name	OJ990520_03.9C23.C27.o3.tw	Method	TBLASTX:Wheat
Start	1269	End	1701
GI	none	Score	132
Exons	1269..1700, 1270..1560, 1588..1701		

Seq. No.	12531	Seq. ID	OJ990520_03.9C23.C27
Gene No.	26518	Strand	-
Start	1	End	4105
Name	OJ990520_03.9C23.C27.o2.ts	Method	TBLASTX:Soybean
Start	1332	End	1712
GI	none	Score	75
Exons	1332..1712, 1345..1563		

Seq. No.	12531	Seq. ID	OJ990520_03.9C23.C27
Gene No.	26518	Strand	-
Start	1	End	4105
Name	OJ990520_03.9C23.C27.o1.ts	Method	TBLASTX:Soybean
Start	1968	End	2351
GI	none	Score	90
Exons	1968..2351, 2194..2301		

Seq. No.	12531	Seq. ID	OJ990520_03.9C23.C27
Gene No.	26518	Strand	-
Start	1	End	4105
Name	OJ990520_03.9C23.C27.o2.tw	Method	TBLASTX:Wheat

Start	1977	End	2396
GI	none	Score	56
Exons	1977..2396, 1995..2162, 2083..2343, 2184..2396		

Seq. No.	12531	Seq. ID	OJ990520_03.9C23.C27
Gene No.	26518	Strand	-
Start	1	End	4105
Name	OJ990520_03.9C23.C27.o2.tm	Method	TBLASTX:Maize
Start	2070	End	2453
GI	none	Score	194
Exons	2070..2453, 2083..2430		

Seq. No.	12531	Seq. ID	OJ990520_03.9C23.C27
Gene No.	26518	Strand	-
Start	1	End	4105
Name	OJ990520_03.9C23.C27.o1.tm	Method	TBLASTX:Maize
Start	2481	End	2837
GI	none	Score	239
Exons	2481..2837, 2482..2772		

Seq. No.	12531	Seq. ID	OJ990520_03.9C23.C27
Gene No.	26518	Strand	-
Start	1	End	4105
Name	OJ990520_03.9C23.C27.o1.tw	Method	TBLASTX:Wheat
Start	2511	End	2966
GI	none	Score	234
Exons	2511..2966, 2512..2940		

Seq. No.	12531	Seq. ID	OJ990520_03.9C23.C27
Gene No.	26518	Strand	-
Start	1	End	4105
Name	OJ990520_03.9C23.C27.o1.gp	Method	AAT/GAP
Start	3165	End	3434
GI	uC-osf1M202098c02b1	Score	462
Exons	3165..3434		
GI Descrip.	'4378066/gb|AAD19359.1| 2.0e-13 (AF098806) polyprotein [Sorghum bicolor] >gi_4680208_gb_AAD27571.1_AF114171_12 (AF114171) polyprotein [Sorghum bicolor]'		

Seq. No.	12531	Seq. ID	OJ990520_03.9C23.C27
Gene No.	26518	Strand	-
Start	1	End	4105
Name	OJ990520_03.9C23.C27.o5.tw	Method	TBLASTX:Wheat
Start	3171	End	3530
GI	none	Score	91
Exons	3171..3392, 3172..3393, 3399..3530		

Seq. No.	12532	Seq. ID	OJ990520_03.9C23.C28
Gene No.	26519	Strand	+
Start	553	End	1419
Name	OJ990520_03.9C23.C28.o1.gs	Method	GENSCAN
Start	553	End	1419
GI	none	Score	.83
Exons	553..604, 1045..1226, 1261..1419		

Seq. No.	12532	Seq. ID	OJ990520_03.9C23.C28
Gene No.	26520	Strand	-

Start	1	End	4976
Name	OJ990520_03.9C23.C28.o2.np	Method	AAT/NAP
Start	1	End	4976
GI	4378066	Score	238
Exons	1..72, 3367..3800, 4512..4976		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	12532	Seq. ID	OJ990520_03.9C23.C28
Gene No.	26520	Strand	-
Start	1	End	4976
Name	OJ990520_03.9C23.C28.o1.np	Method	AAT/NAP
Start	946	End	2473
GI	5852179	Score	454
Exons	946..1181, 1256..1463, 2453..2473		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	12532	Seq. ID	OJ990520_03.9C23.C28
Gene No.	26520	Strand	-
Start	1	End	4976
Name	OJ990520_03.9C23.C28.o2.gs	Method	GENSCAN
Start	1874	End	4941
GI	none	Score	.44
Exons	1874..1980, 2453..2577, 2781..2883, 3375..4074, 4291..4941		

Seq. No.	12532	Seq. ID	OJ990520_03.9C23.C28
Gene No.	26520	Strand	-
Start	1	End	4976
Name	OJ990520_03.9C23.C28.o2.gp	Method	AAT/GAP
Start	3089	End	3367
GI	61605_3.R1084	Score	346
Exons	3089..3367		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	12532	Seq. ID	OJ990520_03.9C23.C28
Gene No.	26520	Strand	-
Start	1	End	4976
Name	OJ990520_03.9C23.C28.o1.tw	Method	TBLASTX:Wheat
Start	3439	End	3729
GI	none	Score	188
Exons	3439..3729		

Seq. No.	12533	Seq. ID	OJ990520_03.9C23.C29
Gene No.	26521	Strand	+
Start	27	End	2885
Name	OJ990520_03.9C23.C29.o1.np	Method	AAT/NAP
Start	27	End	2885
GI	5668598	Score	45
Exons	27..154, 557..690, 2098..2138, 2675..2885		
GI Descrip.	(AF106062) Wiskott-Aldrich syndrome protein interacting protein [Homo sapiens]		

Seq. No.	12533	Seq. ID	OJ990520_03.9C23.C29
Gene No.	26522	Strand	-
Start	2139	End	2975

Name	OJ990520_03.9C23.C29.o2.gs	Method	GENSCAN
Start	2139	End	2975
GI	none	Score	.65
Exons	2139..2316, 2545..2975		

Seq. No.	12533	Seq. ID	OJ990520_03.9C23.C29
Gene No.	26523	Strand	-
Start	3049	End	3235
Name	OJ990520_03.9C23.C29.o2.gp	Method	AAT/GAP
Start	3049	End	3235
GI	24989_1.R1084	Score	272
Exons	3049..3235		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 2.0e-13 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	12534	Seq. ID	OJ990520_03.9C23.C30
Gene No.	26524	Strand	+
Start	1635	End	2458
Name	OJ990520_03.9C23.C30.o1.gp	Method	AAT/GAP
Start	1635	End	2242
GI	29287_1.R1084	Score	805
Exons	1635..1707, 1812..2242		
GI Descrip.	'1084427/pir||S54832 3.0e-28 gip1 protein - garden petunia >gi_825524_emb_CAA60677_ (X87225) gip1 [Petunia x hybrida]'		

Seq. No.	12534	Seq. ID	OJ990520_03.9C23.C30
Gene No.	26524	Strand	+
Start	1635	End	2458
Name	OJ990520_03.9C23.C30.o1.gs	Method	GENSCAN
Start	1636	End	2072
GI	none	Score	.99
Exons	1636..1707, 1812..2072		

Seq. No.	12534	Seq. ID	OJ990520_03.9C23.C30
Gene No.	26524	Strand	+
Start	1635	End	2458
Name	OJ990520_03.9C23.C30.o2.gp	Method	AAT/GAP
Start	1681	End	2302
GI	29287_1.R1084	Score	806
Exons	1681..1707, 1812..2302		
GI Descrip.	'1084427/pir||S54832 3.0e-28 gip1 protein - garden petunia >gi_825524_emb_CAA60677_ (X87225) gip1 [Petunia x hybrida]'		

Seq. No.	12534	Seq. ID	OJ990520_03.9C23.C30
Gene No.	26524	Strand	+
Start	1635	End	2458
Name	OJ990520_03.9C23.C30.o1.np	Method	AAT/NAP
Start	1734	End	2069
GI	1084427	Score	312
Exons	1734..2069		
GI Descrip.	gip1 protein - garden petunia gi|825524|emb|CAA60677| (X87225) gip1 [Petunia x hybrida]		

Seq. No.	12534	Seq. ID	OJ990520_03.9C23.C30
Gene No.	26524	Strand	+
Start	1635	End	2458
Name	OJ990520_03.9C23.C30.o3.gp	Method	AAT/GAP

Start	2169	End	2458
GI	3762588	Score	536
Exons	2169..2458		

Seq. No.	12534	Seq. ID	OJ990520_03.9C23.C30
Gene No.	26525	Strand	-
Start	186	End	4583
Name	OJ990520_03.9C23.C30.o2.np	Method	AAT/NAP
Start	186	End	4583
GI	4539386	Score	159
Exons	186..290, 1816..1918, 3019..3406, 3449..3603, 4436..4583		
GI Descrip.	(AL035526) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	12534	Seq. ID	OJ990520_03.9C23.C30
Gene No.	26525	Strand	-
Start	186	End	4583
Name	OJ990520_03.9C23.C30.o1.tm	Method	TBLASTX:Maize
Start	1875	End	2072
GI	none	Score	372
Exons	1875..2072, 1877..1987, 2039..2071		

Seq. No.	12534	Seq. ID	OJ990520_03.9C23.C30
Gene No.	26525	Strand	-
Start	186	End	4583
Name	OJ990520_03.9C23.C30.o1.ts	Method	TBLASTX:Soybean
Start	1875	End	2075
GI	none	Score	336
Exons	1875..2075, 1877..1987, 1923..1991, 2039..2068		

Seq. No.	12534	Seq. ID	OJ990520_03.9C23.C30
Gene No.	26525	Strand	-
Start	186	End	4583
Name	OJ990520_03.9C23.C30.o1.tc	Method	TBLASTX:Cress
Start	1881	End	2072
GI	none	Score	311
Exons	1881..2072, 1883..1987, 1891..1968, 1923..1991, 2039..2068		

Seq. No.	12534	Seq. ID	OJ990520_03.9C23.C30
Gene No.	26525	Strand	-
Start	186	End	4583
Name	OJ990520_03.9C23.C30.o1.tw	Method	TBLASTX:Wheat
Start	1881	End	2072
GI	none	Score	177
Exons	1881..2072		

Seq. No.	12534	Seq. ID	OJ990520_03.9C23.C30
Gene No.	26525	Strand	-
Start	186	End	4583
Name	OJ990520_03.9C23.C30.o2.gs	Method	GENSCAN
Start	2330	End	3537
GI	none	Score	.62
Exons	2330..2352, 2564..2717, 3015..3162, 3352..3537		

Seq. No.	12535	Seq. ID	OJ990520_03.9C23.C31
Gene No.	26526	Strand	+
Start	391	End	1165
Name	OJ990520_03.9C23.C31.o1.gs	Method	GENSCAN

Start	391	End	1159
GI	none	Score	.46
Exons	391..524, 1076..1159		

Seq. No.	12535	Seq. ID	OJ990520_03.9C23.C31
Gene No.	26526	Strand	+
Start	391	End	1165
Name	OJ990520_03.9C23.C31.o1.np	Method	AAT/NAP
Start	891	End	1165
GI	81286	Score	69
Exons	891..1165		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	12536	Seq. ID	OJ990520_03.9C23.C34
Gene No.	26527	Strand	+
Start	1	End	137
Name	OJ990520_03.9C23.C34.o1.np	Method	AAT/NAP
Start	1	End	137
GI	6063554	Score	170
Exons	1..137		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	12537	Seq. ID	OJ990520_03.9C23.C35
Gene No.	26528	Strand	+
Start	1	End	304
Name	OJ990520_03.9C23.C35.o1.np	Method	AAT/NAP
Start	1	End	304
GI	5042454	Score	77
Exons	1..45, 236..304		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	12537	Seq. ID	OJ990520_03.9C23.C35
Gene No.	26529	Strand	-
Start	1	End	2819
Name	OJ990520_03.9C23.C35.o2.np	Method	AAT/NAP
Start	1	End	2819
GI	5042454	Score	2212
Exons	1..18, 949..2363, 2419..2521, 2766..2819		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	12537	Seq. ID	OJ990520_03.9C23.C35
Gene No.	26529	Strand	-
Start	1	End	2819
Name	OJ990520_03.9C23.C35.o1.gs	Method	GENSCAN
Start	601	End	2548
GI	none	Score	.49
Exons	601..1016, 1037..2363, 2419..2548		

Seq. No.	12537	Seq. ID	OJ990520_03.9C23.C35
Gene No.	26529	Strand	-
Start	1	End	2819
Name	OJ990520_03.9C23.C35.o1.tw	Method	TBLASTX:Wheat
Start	1299	End	1691
GI	none	Score	87

Exons	1299..1556, 1378..1572, 1539..1637, 1540..1632, 1644..1691		
Seq. No.	12537	Seq. ID	OJ990520_03.9C23.C35
Gene No.	26529	Strand	-
Start	1	End	2819
Name	OJ990520_03.9C23.C35.o1.tm	Method	TBLASTX:Maize
Start	1401	End	1649
GI	none	Score	106
Exons	1401..1649, 1402..1647		
Seq. No.	12537	Seq. ID	OJ990520_03.9C23.C35
Gene No.	26529	Strand	-
Start	1	End	2819
Name	OJ990520_03.9C23.C35.o3.np	Method	AAT/NAP
Start	2579	End	2819
GI	5042454	Score	71
Exons	2579..2647, 2782..2819		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	12538	Seq. ID	OJ990520_03.9C23.C36
Gene No.	26530	Strand	-
Start	1	End	292
Name	OJ990520_03.9C23.C36.o1.np	Method	AAT/NAP
Start	1	End	292
GI	6721547	Score	86
Exons	1..112, 208..292		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		
Seq. No.	12538	Seq. ID	OJ990520_03.9C23.C36
Gene No.	26531	Strand	-
Start	1241	End	1681
Name	OJ990520_03.9C23.C36.o1.gs	Method	GENSCAN
Start	1241	End	1681
GI	none	Score	.96
Exons	1241..1681		
Seq. No.	12539	Seq. ID	OJ990520_03.9C23.C37
Gene No.	26532	Strand	+
Start	1	End	343
Name	OJ990520_03.9C23.C37.o1.np	Method	AAT/NAP
Start	1	End	343
GI	6539570	Score	178
Exons	1..122, 273..343		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		
Seq. No.	12539	Seq. ID	OJ990520_03.9C23.C37
Gene No.	26532	Strand	+
Start	1	End	343
Name	OJ990520_03.9C23.C37.o1.gs	Method	GENSCAN
Start	78	End	252
GI	none	Score	.69
Exons	78..130, 174..252		
Seq. No.	12540	Seq. ID	OJ990520_03.9C23.C38
Gene No.	26533	Strand	+
Start	431	End	3766
Name	OJ990520_03.9C23.C38.o1.gs	Method	GENSCAN

Start	431	End	3766
GI	none	Score	.78
Exons	431..480, 758..905, 1099..1249, 1626..1714, 1776..2000, 2088..2174, 2278..2337, 2558..2635, 2696..2807, 2905..3176, 3275..3532, 3620..3766		

Seq. No.	12540	Seq. ID	OJ990520_03.9C23.C38
Gene No.	26533	Strand	+
Start	431	End	3766
Name	OJ990520_03.9C23.C38.o1.np	Method	AAT/NAP
Start	1862	End	3763
GI	422029	Score	886
Exons	1862..2034, 2258..2337, 2558..2635, 2750..2807, 2905..3176, 3275..3532, 3620..3763		
GI Descrip.	transcription factor OBF3.2, ocs element-binding - maize gi|297018|emb|CAA48904| (X69152) ocs-element binding factor 3.2 [Zea mays]		

Seq. No.	12540	Seq. ID	OJ990520_03.9C23.C38
Gene No.	26534	Strand	-
Start	4025	End	6514
Name	OJ990520_03.9C23.C38.o1.tc	Method	TBLASTX:Cress
Start	2284	End	3762
GI	none	Score	86
Exons	2284..2346, 2558..2635, 2903..2968, 2904..3182, 3065..3181, 3269..3412, 3347..3532, 3466..3534, 3620..3715, 3682..3762		

Seq. No.	12540	Seq. ID	OJ990520_03.9C23.C38
Gene No.	26534	Strand	-
Start	4025	End	6514
Name	OJ990520_03.9C23.C38.o1.tm	Method	TBLASTX:Maize
Start	2284	End	3762
GI	none	Score	86
Exons	2284..2346, 2554..2640, 2558..2635, 2903..2968, 2904..3185, 3071..3181, 3269..3412, 3347..3532, 3466..3534, 3472..3558, 3617..3691, 3618..3671, 3620..3712, 3682..3762		

Seq. No.	12540	Seq. ID	OJ990520_03.9C23.C38
Gene No.	26534	Strand	-
Start	4025	End	6514
Name	OJ990520_03.9C23.C38.o1.tw	Method	TBLASTX:Wheat
Start	2290	End	3155
GI	none	Score	65
Exons	2290..2346, 2557..2640, 2558..2635, 2903..2968, 2904..3155, 3071..3154		

Seq. No.	12540	Seq. ID	OJ990520_03.9C23.C38
Gene No.	26534	Strand	-
Start	4025	End	6514
Name	OJ990520_03.9C23.C38.o1.ts	Method	TBLASTX:Soybean
Start	2903	End	3762
GI	none	Score	326
Exons	2903..2968, 2904..3182, 3071..3181, 3266..3325, 3269..3412, 3458..3532, 3472..3528, 3617..3712, 3620..3715, 3682..3762		

Seq. No.	12540	Seq. ID	OJ990520_03.9C23.C38
Gene No.	26534	Strand	-

Start	4025	End	6514
Name	OJ990520_03.9C23.C38.o2.tw	Method	TBLASTX:Wheat
Start	3269	End	3412
GI	none	Score	184
Exons	3269..3412		

Seq. No.	12540	Seq. ID	OJ990520_03.9C23.C38
Gene No.	26534	Strand	-
Start	4025	End	6514
Name	OJ990520_03.9C23.C38.o2.gs	Method	GENSCAN
Start	4025	End	6514
GI	none	Score	.58
Exons	4025..4325, 4516..4574, 4728..4876, 6427..6514		

Seq. No.	12540	Seq. ID	OJ990520_03.9C23.C38
Gene No.	26534	Strand	-
Start	4025	End	6514
Name	OJ990520_03.9C23.C38.o2.np	Method	AAT/NAP
Start	4254	End	5136
GI	2462134	Score	251
Exons	4254..5136		
GI Descrip.	(Y13368) reverse transcriptase [Beta vulgaris]		

Seq. No.	12540	Seq. ID	OJ990520_03.9C23.C38
Gene No.	26534	Strand	-
Start	4025	End	6514
Name	OJ990520_03.9C23.C38.o2.tm	Method	TBLASTX:Maize
Start	4311	End	4739
GI	none	Score	155
Exons	4311..4358, 4383..4739, 4429..4713		

Seq. No.	12541	Seq. ID	OJ990520_03.9C23.C39
Gene No.	26535	Strand	-
Start	111	End	544
Name	OJ990520_03.9C23.C39.o1.gs	Method	GENSCAN
Start	111	End	544
GI	none	Score	.88
Exons	111..250, 300..544		

Seq. No.	12542	Seq. ID	OJ990520_03.9C23.C40
Gene No.	26536	Strand	+
Start	1	End	452
Name	OJ990520_03.9C23.C40.o1.np	Method	AAT/NAP
Start	1	End	452
GI	6539553	Score	374
Exons	1..452		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	12542	Seq. ID	OJ990520_03.9C23.C40
Gene No.	26536	Strand	+
Start	1	End	452
Name	OJ990520_03.9C23.C40.o1.tm	Method	TBLASTX:Maize
Start	51	End	249
GI	none	Score	228

Exons	51..233, 58..249, 67..243, 78..248		
Seq. No.	12542	Seq. ID	OJ990520_03.9C23.C40
Gene No.	26536	Strand	+
Start	1	End	452
Name	OJ990520_03.9C23.C40.o1.gs	Method	GENSCAN
Start	73	End	216
GI	none	Score	.84
Exons	73..216		
Seq. No.	12543	Seq. ID	OJ990520_03.9C23.C41
Gene No.	26537	Strand	-
Start	1	End	207
Name	OJ990520_03.9C23.C41.o1.np	Method	AAT/NAP
Start	1	End	180
GI	5852179	Score	93
Exons	1..180		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		
Seq. No.	12543	Seq. ID	OJ990520_03.9C23.C41
Gene No.	26537	Strand	-
Start	1	End	207
Name	OJ990520_03.9C23.C41.o1.gs	Method	GENSCAN
Start	12	End	207
GI	none	Score	.69
Exons	12..207		
Seq. No.	12544	Seq. ID	OJ990520_03.9C23.C44
Gene No.	26538	Strand	+
Start	450	End	522
Name	OJ990520_03.9C23.C44.o1.gs	Method	GENSCAN
Start	450	End	522
GI	none	Score	.41
Exons	450..522		
Seq. No.	12545	Seq. ID	OJ990520_03.9C23.C45
Gene No.	26539	Strand	+
Start	126	End	696
Name	OJ990520_03.9C23.C45.o1.np	Method	AAT/NAP
Start	126	End	696
GI	1196998	Score	873
Exons	126..696		
GI Descrip.	(J01829) unknown protein [Transposon Tn10] gi|5103202|dbj|BAA78838.1| (AP000342) transposase of Tn10 [Plasmid R100] gi|5706382|dbj|BAA83097.1| (AB026428) transposase [Methylomonas aminofaciens] gi|5738092|gb|AAD50250.1|AF162223_9 (AF162223) IS10-right transposase [Shigella flexneri] gi|6721110|gb|AAF26764.1|AC007396_13 (AC007396) T4O12.21 [Arabidopsis thaliana]		
Seq. No.	12546	Seq. ID	OJ990520_03.9C23.C46
Gene No.	26540	Strand	-
Start	1	End	631
Name	OJ990520_03.9C23.C46.o1.np	Method	AAT/NAP
Start	1	End	631
GI	5803259	Score	268
Exons	1..252, 561..631		

GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		
Seq. No.	12546	Seq. ID	OJ990520_03.9C23.C46
Gene No.	26540	Strand	-
Start	1	End	631
Name	OJ990520_03.9C23.C46.o1.gs	Method	GENSCAN
Start	70	End	588
GI	none	Score	.76
Exons	70..179, 358..588		
Seq. No.	12547	Seq. ID	OJ990520_03.9C23.C47
Gene No.	26541	Strand	+
Start	199	End	3227
Name	OJ990520_03.9C23.C47.o1.gs	Method	GENSCAN
Start	199	End	3141
GI	none	Score	.42
Exons	199..441, 657..780, 823..2522, 2742..3141		
Seq. No.	12547	Seq. ID	OJ990520_03.9C23.C47
Gene No.	26541	Strand	+
Start	199	End	3227
Name	OJ990520_03.9C23.C47.o2.tw	Method	TBLASTX:Wheat
Start	664	End	1053
GI	none	Score	327
Exons	664..1050, 667..1053, 681..1052		
Seq. No.	12547	Seq. ID	OJ990520_03.9C23.C47
Gene No.	26541	Strand	+
Start	199	End	3227
Name	OJ990520_03.9C23.C47.o1.np	Method	AAT/NAP
Start	673	End	3227
GI	6539553	Score	4212
Exons	673..3227		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	12547	Seq. ID	OJ990520_03.9C23.C47
Gene No.	26541	Strand	+
Start	199	End	3227
Name	OJ990520_03.9C23.C47.o2.tm	Method	TBLASTX:Maize
Start	802	End	1115
GI	none	Score	342
Exons	802..1110, 820..1110, 825..1115		
Seq. No.	12547	Seq. ID	OJ990520_03.9C23.C47
Gene No.	26541	Strand	+
Start	199	End	3227
Name	OJ990520_03.9C23.C47.o1.tm	Method	TBLASTX:Maize
Start	1611	End	1933
GI	none	Score	305
Exons	1611..1931, 1627..1932, 1638..1931, 1772..1933		
Seq. No.	12547	Seq. ID	OJ990520_03.9C23.C47
Gene No.	26541	Strand	+
Start	199	End	3227

Name	OJ990520_03.9C23.C47.o2.ts	Method	TBLASTX:Soybean
Start	1960	End	2346
GI	none	Score	80
Exons	1960..2109, 2098..2346		

Seq. No.	12547	Seq. ID	OJ990520_03.9C23.C47
Gene No.	26541	Strand	+
Start	199	End	3227
Name	OJ990520_03.9C23.C47.o3.tw	Method	TBLASTX:Wheat
Start	2065	End	2403
GI	none	Score	276
Exons	2065..2403, 2197..2382		

Seq. No.	12547	Seq. ID	OJ990520_03.9C23.C47
Gene No.	26541	Strand	+
Start	199	End	3227
Name	OJ990520_03.9C23.C47.o3.tm	Method	TBLASTX:Maize
Start	2134	End	2568
GI	none	Score	289
Exons	2134..2568, 2349..2495		

Seq. No.	12547	Seq. ID	OJ990520_03.9C23.C47
Gene No.	26541	Strand	+
Start	199	End	3227
Name	OJ990520_03.9C23.C47.o1.ts	Method	TBLASTX:Soybean
Start	2356	End	2754
GI	none	Score	188
Exons	2356..2580, 2364..2534, 2371..2565, 2581..2754, 2589..2627		

Seq. No.	12547	Seq. ID	OJ990520_03.9C23.C47
Gene No.	26541	Strand	+
Start	199	End	3227
Name	OJ990520_03.9C23.C47.o1.tw	Method	TBLASTX:Wheat
Start	2404	End	3159
GI	none	Score	597
Exons	2404..2853, 2412..2891, 2414..2884, 2911..3159, 2912..3142, 2920..3159		

Seq. No.	12548	Seq. ID	OJ990520_03.9C23.C48
Gene No.	26542	Strand	+
Start	1	End	1282
Name	OJ990520_03.9C23.C48.o1.np	Method	AAT/NAP
Start	1	End	1282
GI	6539553	Score	2010
Exons	1..1282		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	12548	Seq. ID	OJ990520_03.9C23.C48
Gene No.	26543	Strand	+
Start	3247	End	8476
Name	OJ990520_03.9C23.C48.o2.ts	Method	TBLASTX:Soybean
Start	3	End	302
GI	none	Score	229
Exons	3..302, 55..240, 63..296		

Seq. No.	12548	Seq. ID	OJ990520_03.9C23.C48
Gene No.	26543	Strand	+
Start	3247	End	8476
Name	OJ990520_03.9C23.C48.o2.tw	Method	TBLASTX:Wheat
Start	3	End	467
GI	none	Score	221
Exons	3..266, 69..242, 282..467, 326..457		

Seq. No.	12548	Seq. ID	OJ990520_03.9C23.C48
Gene No.	26543	Strand	+
Start	3247	End	8476
Name	OJ990520_03.9C23.C48.o2.tm	Method	TBLASTX:Maize
Start	9	End	386
GI	none	Score	259
Exons	9..386, 57..239		

Seq. No.	12548	Seq. ID	OJ990520_03.9C23.C48
Gene No.	26543	Strand	+
Start	3247	End	8476
Name	OJ990520_03.9C23.C48.o1.ts	Method	TBLASTX:Soybean
Start	318	End	668
GI	none	Score	307
Exons	318..566, 320..664, 321..665, 615..668		

Seq. No.	12548	Seq. ID	OJ990520_03.9C23.C48
Gene No.	26543	Strand	+
Start	3247	End	8476
Name	OJ990520_03.9C23.C48.o1.tm	Method	TBLASTX:Maize
Start	483	End	815
GI	none	Score	280
Exons	483..815, 483..782, 491..814		

Seq. No.	12548	Seq. ID	OJ990520_03.9C23.C48
Gene No.	26543	Strand	+
Start	3247	End	8476
Name	OJ990520_03.9C23.C48.o1.tw	Method	TBLASTX:Wheat
Start	671	End	1146
GI	none	Score	98
Exons	671..739, 672..746, 672..752, 761..1021, 761..1030, 762..1031, 1031..1144, 1031..1111, 1033..1146		

Seq. No.	12548	Seq. ID	OJ990520_03.9C23.C48
Gene No.	26543	Strand	+
Start	3247	End	8476
Name	OJ990520_03.9C23.C48.o3.ts	Method	TBLASTX:Soybean
Start	678	End	1010
GI	none	Score	90
Exons	678..791, 704..784, 810..1010, 810..998		

Seq. No.	12548	Seq. ID	OJ990520_03.9C23.C48
Gene No.	26543	Strand	+
Start	3247	End	8476
Name	OJ990520_03.9C23.C48.o2.np	Method	AAT/NAP
Start	3247	End	8476
GI	5042463	Score	107
Exons	3247..3268, 5105..5321, 5988..6134, 6187..6307, 8456..8476		

GI Descrip. (AC007789) unknown protein [Oryza sativa]

Seq. No.	12548	Seq. ID	OJ990520_03.9C23.C48
Gene No.	26543	Strand	+
Start	3247	End	8476
Name	OJ990520_03.9C23.C48.o3.tm	Method	TBLASTX:Maize
Start	7074	End	7415
GI	none	Score	58
Exons	7074..7253, 7078..7218, 7251..7397, 7251..7415		

Seq. No.	12549	Seq. ID	OJ990520_03.9C23.C50
Gene No.	26544	Strand	-
Start	1	End	682
Name	OJ990520_03.9C23.C50.o1.np	Method	AAT/NAP
Start	1	End	682
GI	584862	Score	230
Exons	1..109, 148..261, 341..682		
GI Descrip.	CYTOCHROME P450 71A3 (CYPLXXIA3) (P-450EG3) gi|480397|pir||S36807 cytochrome P450 71A3 - eggplant (fragment) gi|408142|emb|CAA50313| (X70982) P450 hydroxylase [Solanum melongena]		

Seq. No.	12549	Seq. ID	OJ990520_03.9C23.C50
Gene No.	26544	Strand	-
Start	1	End	682
Name	OJ990520_03.9C23.C50.o1.gs	Method	GENSCAN
Start	160	End	588
GI	none	Score	.79
Exons	160..261, 381..588		

Seq. No.	12550	Seq. ID	OJ990520_03.9C23.C51
Gene No.	26545	Strand	+
Start	3182	End	11809
Name	OJ990520_03.9C23.C51.o2.gs	Method	GENSCAN
Start	3182	End	11809
GI	none	Score	.65
Exons	3182..3345, 5164..5305, 5688..5874, 6328..6599, 6639..6809, 6979..7359, 8833..8881, 8934..9023, 10108..10132, 10796..10930, 11410..11809		

Seq. No.	12550	Seq. ID	OJ990520_03.9C23.C51
Gene No.	26545	Strand	+
Start	3182	End	11809
Name	OJ990520_03.9C23.C51.o2.np	Method	AAT/NAP
Start	5159	End	8711
GI	6016718	Score	474
Exons	5159..5305, 5688..5874, 6328..6643, 8670..8711		
GI Descrip.	(AC009325) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12550	Seq. ID	OJ990520_03.9C23.C51
Gene No.	26545	Strand	+
Start	3182	End	11809
Name	OJ990520_03.9C23.C51.o3.np	Method	AAT/NAP
Start	7532	End	10378
GI	1169170	Score	251
Exons	7532..7769, 7946..7982, 8695..8890, 10348..10378		
GI Descrip.	APOCYTOCHROME F PRECURSOR gi|1363527|pir||S58564		

plastoquinol--plastocyanin reductase (EC 1.10.99.1) cytochrome f - maize chloroplast gi|902234|emb|CAA60298| (X86563) cytochrome f [Zea mays]

Seq. No.	12550	Seq. ID	OJ990520_03.9C23.C51
Gene No.	26546	Strand	+
Start	14300	End	14485
Name	OJ990520_03.9C23.C51.o3.gs	Method	GENSCAN
Start	14300	End	14485
GI	none	Score	.61
Exons	14300..14485		

Seq. No.	12550	Seq. ID	OJ990520_03.9C23.C51
Gene No.	26547	Strand	-
Start	1	End	950
Name	OJ990520_03.9C23.C51.o1.np	Method	AAT/NAP
Start	1	End	899
GI	584862	Score	424
Exons	1..899		
GI Descrip.	CYTOCHROME P450 71A3 (CYPLXXIA3) (P-450EG3) gi|480397|pir||S36807 cytochrome P450 71A3 - eggplant (fragment) gi|408142|emb|CAA50313| (X70982) P450 hydroxylase [Solanum melongena]		

Seq. No.	12550	Seq. ID	OJ990520_03.9C23.C51
Gene No.	26547	Strand	-
Start	1	End	950
Name	OJ990520_03.9C23.C51.o1.gs	Method	GENSCAN
Start	8	End	950
GI	none	Score	.74
Exons	8..267, 317..950		

Seq. No.	12550	Seq. ID	OJ990520_03.9C23.C51
Gene No.	26548	Strand	-
Start	12186	End	12348
Name	OJ990520_03.9C23.C51.o3.tm	Method	TBLASTX:Maize
Start	5161	End	5729
GI	none	Score	109
Exons	5161..5307, 5162..5314, 5165..5308, 5687..5728, 5688..5729		

Seq. No.	12550	Seq. ID	OJ990520_03.9C23.C51
Gene No.	26548	Strand	-
Start	12186	End	12348
Name	OJ990520_03.9C23.C51.o3.ts	Method	TBLASTX:Soybean
Start	5691	End	5876
GI	none	Score	230
Exons	5691..5876, 5702..5875		

Seq. No.	12550	Seq. ID	OJ990520_03.9C23.C51
Gene No.	26548	Strand	-
Start	12186	End	12348
Name	OJ990520_03.9C23.C51.o1.tc	Method	TBLASTX:Cress
Start	6320	End	6829
GI	none	Score	182
Exons	6320..6475, 6327..6461, 6515..6622, 6516..6641, 6534..6641, 6761..6829		

Seq. No.	12550	Seq. ID	OJ990520_03.9C23.C51
Gene No.	26548	Strand	-
Start	12186	End	12348
Name	OJ990520_03.9C23.C51.o2.ts	Method	TBLASTX:Soybean
Start	6335	End	6572
GI	none	Score	288
Exons	6335..6571, 6336..6569, 6336..6572, 6424..6570		

Seq. No.	12550	Seq. ID	OJ990520_03.9C23.C51
Gene No.	26548	Strand	-
Start	12186	End	12348
Name	OJ990520_03.9C23.C51.o1.tm	Method	TBLASTX:Maize
Start	6374	End	6646
GI	none	Score	41
Exons	6374..6418, 6374..6433, 6375..6425, 6399..6644, 6404..6622, 6420..6644, 6428..6646		

Seq. No.	12550	Seq. ID	OJ990520_03.9C23.C51
Gene No.	26548	Strand	-
Start	12186	End	12348
Name	OJ990520_03.9C23.C51.o4.tm	Method	TBLASTX:Maize
Start	7177	End	7570
GI	none	Score	53
Exons	7177..7206, 7182..7214, 7212..7274, 7212..7280, 7217..7276, 7280..7363, 7281..7367, 7282..7359, 7283..7360, 7439..7570, 7440..7547		

Seq. No.	12550	Seq. ID	OJ990520_03.9C23.C51
Gene No.	26548	Strand	-
Start	12186	End	12348
Name	OJ990520_03.9C23.C51.o1.ts	Method	TBLASTX:Soybean
Start	8694	End	8893
GI	none	Score	290
Exons	8694..8888, 8695..8889, 8696..8893		

Seq. No.	12550	Seq. ID	OJ990520_03.9C23.C51
Gene No.	26548	Strand	-
Start	12186	End	12348
Name	OJ990520_03.9C23.C51.o2.tc	Method	TBLASTX:Cress
Start	8694	End	8889
GI	none	Score	290
Exons	8694..8888, 8695..8889		

Seq. No.	12550	Seq. ID	OJ990520_03.9C23.C51
Gene No.	26548	Strand	-
Start	12186	End	12348
Name	OJ990520_03.9C23.C51.o2.tm	Method	TBLASTX:Maize
Start	8719	End	8888
GI	none	Score	255
Exons	8719..8886, 8723..8887, 8724..8888		

Seq. No.	12550	Seq. ID	OJ990520_03.9C23.C51
Gene No.	26548	Strand	-
Start	12186	End	12348
Name	OJ990520_03.9C23.C51.o4.np	Method	AAT/NAP
Start	12186	End	12348
GI	5042462	Score	121

Exons	12186..12278, 12307..12348		
GI Descrip.	(AC007789) putative negatively light-regulated protein [Oryza sativa]		

Seq. No.	12551	Seq. ID	OJ990520_03.9C23.C53
Gene No.	26549	Strand	-
Start	1	End	643
Name	OJ990520_03.9C23.C53.o1.np	Method	AAT/NAP
Start	1	End	643
GI	4680179	Score	818
Exons	1..643		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	12551	Seq. ID	OJ990520_03.9C23.C53
Gene No.	26549	Strand	-
Start	1	End	643
Name	OJ990520_03.9C23.C53.o1.gs	Method	GENSCAN
Start	63	End	575
GI	none	Score	.8
Exons	63..139, 368..575		

Seq. No.	12551	Seq. ID	OJ990520_03.9C23.C53
Gene No.	26549	Strand	-
Start	1	End	643
Name	OJ990520_03.9C23.C53.o1.tw	Method	TBLASTX:Wheat
Start	102	End	527
GI	none	Score	200
Exons	102..527, 105..410, 109..525		

Seq. No.	12551	Seq. ID	OJ990520_03.9C23.C53
Gene No.	26549	Strand	-
Start	1	End	643
Name	OJ990520_03.9C23.C53.o1.tm	Method	TBLASTX:Maize
Start	108	End	455
GI	none	Score	40
Exons	108..455, 109..141, 187..450		

Seq. No.	12551	Seq. ID	OJ990520_03.9C23.C53
Gene No.	26549	Strand	-
Start	1	End	643
Name	OJ990520_03.9C23.C53.o1.ts	Method	TBLASTX:Soybean
Start	273	End	521
GI	none	Score	38
Exons	273..521, 292..336, 391..495		

Seq. No.	12551	Seq. ID	OJ990520_03.9C23.C53
Gene No.	26549	Strand	-
Start	1	End	643
Name	OJ990520_03.9C23.C53.o2.tm	Method	TBLASTX:Maize
Start	462	End	641
GI	none	Score	210
Exons	462..641		

Seq. No.	12551	Seq. ID	OJ990520_03.9C23.C53
Gene No.	26549	Strand	-
Start	1	End	643
Name	OJ990520_03.9C23.C53.o2.tw	Method	TBLASTX:Wheat

Start	528	End	642
GI	none	Score	94
Exons	528..641, 529..642		

Seq. No.	12552	Seq. ID	OJ990730_05.9C17.C2
Gene No.	26550	Strand	+
Start	402	End	486
Name	OJ990730_05.9C17.C2.o1.np	Method	AAT/NAP
Start	402	End	486
GI	6721547	Score	86
Exons	402..486		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	12553	Seq. ID	OJ990730_05.9C17.C6
Gene No.	26551	Strand	+
Start	54	End	119
Name	OJ990730_05.9C17.C6.o1.gs	Method	GENSCAN
Start	54	End	119
GI	none	Score	.6
Exons	54..119		

Seq. No.	12554	Seq. ID	OJ990730_05.9C17.C8
Gene No.	26552	Strand	-
Start	63	End	334
Name	OJ990730_05.9C17.C8.o1.gs	Method	GENSCAN
Start	63	End	334
GI	none	Score	.72
Exons	63..120, 158..334		

Seq. No.	12555	Seq. ID	OJ990730_05.9C17.C9
Gene No.	26553	Strand	+
Start	10486	End	20616
Name	OJ990730_05.9C17.C9.o4.np	Method	AAT/NAP
Start	10486	End	20616
GI	3261518	Score	192
Exons	10486..10628, 19297..19958, 20384..20616		
GI Descrip.	(AL021841) PE_PGRS [Mycobacterium tuberculosis]		

Seq. No.	12555	Seq. ID	OJ990730_05.9C17.C9
Gene No.	26553	Strand	+
Start	10486	End	20616
Name	OJ990730_05.9C17.C9.o2.gs	Method	GENSCAN
Start	14573	End	15244
GI	none	Score	.69
Exons	14573..14671, 15170..15244		

Seq. No.	12555	Seq. ID	OJ990730_05.9C17.C9
Gene No.	26554	Strand	-
Start	82	End	12435
Name	OJ990730_05.9C17.C9.o1.np	Method	AAT/NAP
Start	82	End	1893
GI	6907086	Score	1299
Exons	82..266, 393..608, 834..1079, 1137..1893		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	12555	Seq. ID	OJ990730_05.9C17.C9
Gene No.	26554	Strand	-

Start	82	End	12435
Name	OJ990730_05.9C17.C9.o1.gs	Method	GENSCAN
Start	1154	End	12435
GI	none	Score	.47
Exons	1154..1600, 3458..3624, 3997..4224, 5772..6383, 6495..6589, 9426..9631, 9726..9895, 11208..11364, 11915..12019, 12265..12435		

Seq. No.	12555	Seq. ID	OJ990730_05.9C17.C9
Gene No.	26554	Strand	-
Start	82	End	12435
Name	OJ990730_05.9C17.C9.o1.gp	Method	AAT/GAP
Start	1976	End	2167
GI	5667165	Score	356
Exons	1976..2167		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	12555	Seq. ID	OJ990730_05.9C17.C9
Gene No.	26554	Strand	-
Start	82	End	12435
Name	OJ990730_05.9C17.C9.o2.np	Method	AAT/NAP
Start	5794	End	9893
GI	2842493	Score	876
Exons	5794..6383, 9430..9622, 9726..9893		
GI Descrip.	(AL021749) predicted protein [Arabidopsis thaliana]		

Seq. No.	12555	Seq. ID	OJ990730_05.9C17.C9
Gene No.	26554	Strand	-
Start	82	End	12435
Name	OJ990730_05.9C17.C9.o2.gp	Method	AAT/GAP
Start	6318	End	9947
GI	45084_1.R1084	Score	877
Exons	6318..6389, 9437..9631, 9726..9947		
GI Descrip.	'2842493/emb|CAA16890.1| 7.0e-18 (AL021749) predicted protein [Arabidopsis thaliana]'		

Seq. No.	12555	Seq. ID	OJ990730_05.9C17.C9
Gene No.	26554	Strand	-
Start	82	End	12435
Name	OJ990730_05.9C17.C9.o3.gp	Method	AAT/GAP
Start	10533	End	11097
GI	72424_1.R1084	Score	75
Exons	10533..10589, 11073..11097		
GI Descrip.	'2842493/emb|CAA16890.1| 8.0e-32 (AL021749) predicted protein [Arabidopsis thaliana]'		

Seq. No.	12555	Seq. ID	OJ990730_05.9C17.C9
Gene No.	26555	Strand	-
Start	18226	End	20493
Name	OJ990730_05.9C17.C9.o1.tm	Method	TBLASTX:Maize
Start	6037	End	6262
GI	none	Score	274
Exons	6037..6246, 6038..6262		

Seq. No.	12555	Seq. ID	OJ990730_05.9C17.C9
Gene No.	26555	Strand	-
Start	18226	End	20493

Name	OJ990730_05.9C17.C9.o1.ts	Method	TBLASTX:Soybean
Start	6040	End	6364
GI	none	Score	320
Exons	6040..6363, 6050..6364		

Seq. No.	12555	Seq. ID	OJ990730_05.9C17.C9
Gene No.	26555	Strand	-
Start	18226	End	20493
Name	OJ990730_05.9C17.C9.o3.tc	Method	TBLASTX:Cress
Start	6070	End	6399
GI	none	Score	93
Exons	6070..6168, 6071..6163, 6247..6312, 6248..6292, 6280..6399, 6281..6385		

Seq. No.	12555	Seq. ID	OJ990730_05.9C17.C9
Gene No.	26555	Strand	-
Start	18226	End	20493
Name	OJ990730_05.9C17.C9.o2.ts	Method	TBLASTX:Soybean
Start	9398	End	9893
GI	none	Score	175
Exons	9398..9613, 9429..9614, 9702..9764, 9837..9893		

Seq. No.	12555	Seq. ID	OJ990730_05.9C17.C9
Gene No.	26555	Strand	-
Start	18226	End	20493
Name	OJ990730_05.9C17.C9.o2.tc	Method	TBLASTX:Cress
Start	9489	End	9893
GI	none	Score	117
Exons	9489..9626, 9491..9619, 9702..9779, 9745..9768, 9852..9893		

Seq. No.	12555	Seq. ID	OJ990730_05.9C17.C9
Gene No.	26555	Strand	-
Start	18226	End	20493
Name	OJ990730_05.9C17.C9.o2.tm	Method	TBLASTX:Maize
Start	9536	End	9898
GI	none	Score	101
Exons	9536..9634, 9576..9638, 9721..9768, 9723..9788, 9724..9777, 9837..9896, 9844..9897, 9863..9898		

Seq. No.	12555	Seq. ID	OJ990730_05.9C17.C9
Gene No.	26555	Strand	-
Start	18226	End	20493
Name	OJ990730_05.9C17.C9.o3.gs	Method	GENSCAN
Start	18226	End	20493
GI	none	Score	.48
Exons	18226..18234, 18448..18788, 18819..19900, 20325..20493		

Seq. No.	12555	Seq. ID	OJ990730_05.9C17.C9
Gene No.	26555	Strand	-
Start	18226	End	20493
Name	OJ990730_05.9C17.C9.o3.ts	Method	TBLASTX:Soybean
Start	18520	End	19260
GI	none	Score	76
Exons	18520..18690, 18712..18942, 18712..19020, 18736..19089, 18844..19260, 18998..19075, 18998..19258, 19012..19116, 19051..19257, 19123..19230		

Seq. No.	12555	Seq. ID	OJ990730_05.9C17.C9
Gene No.	26555	Strand	-
Start	18226	End	20493
Name	OJ990730_05.9C17.C9.o1.tc	Method	TBLASTX:Cress
Start	18581	End	19278
GI	none	Score	81
Exons	18581..18628, 18712..19059, 18712..18996, 18790..18987, 18802..19152, 18857..19054, 18893..18943, 18896..19057, 18896..19171, 18898..19095, 18907..19257, 18973..19194, 19004..19240, 19010..19264, 19012..19278, 19078..19257, 19111..19185		

Seq. No.	12555	Seq. ID	OJ990730_05.9C17.C9
Gene No.	26555	Strand	-
Start	18226	End	20493
Name	OJ990730_05.9C17.C9.o3.tm	Method	TBLASTX:Maize
Start	18709	End	19260
GI	none	Score	100
Exons	18709..19257, 18709..19197, 18712..19254, 18799..19260, 18827..19258, 18898..19254		

Seq. No.	12556	Seq. ID	OJ990730_05.9C17.C10
Gene No.	26556	Strand	+
Start	287	End	709
Name	OJ990730_05.9C17.C10.o1.gs	Method	GENSCAN
Start	287	End	709
GI	none	Score	.48
Exons	287..380, 528..709		

Seq. No.	12556	Seq. ID	OJ990730_05.9C17.C10
Gene No.	26557	Strand	+
Start	3372	End	5345
Name	OJ990730_05.9C17.C10.o2.gs	Method	GENSCAN
Start	3372	End	5345
GI	none	Score	.79
Exons	3372..3495, 4990..5157, 5224..5345		

Seq. No.	12557	Seq. ID	OJ990730_05.9C17.C12
Gene No.	26558	Strand	+
Start	67	End	1219
Name	OJ990730_05.9C17.C12.o1.gs	Method	GENSCAN
Start	67	End	1219
GI	none	Score	.46
Exons	67..357, 1176..1219		

Seq. No.	12558	Seq. ID	OJ990730_05.9C17.C13
Gene No.	26559	Strand	+
Start	5187	End	8821
Name	OJ990730_05.9C17.C13.o2.np	Method	AAT/NAP
Start	5187	End	8821
GI	6006359	Score	72
Exons	5187..5209, 6964..7073, 8620..8674, 8776..8821		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	12558	Seq. ID	OJ990730_05.9C17.C13
Gene No.	26560	Strand	+
Start	16287	End	17426

Name	OJ990730_05.9C17.C13.o5.gs	Method	GENSCAN
Start	16287	End	17287
GI	none	Score	.41
Exons	16287..16925, 17009..17287		

Seq. No.	12558	Seq. ID	OJ990730_05.9C17.C13
Gene No.	26560	Strand	+
Start	16287	End	17426
Name	OJ990730_05.9C17.C13.o3.np	Method	AAT/NAP
Start	16296	End	17426
GI	130582	Score	553
Exons	16296..17426		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi|100342|pir||S04273 hypothetical protein - common tobacco gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]		

Seq. No.	12558	Seq. ID	OJ990730_05.9C17.C13
Gene No.	26561	Strand	-
Start	229	End	7320
Name	OJ990730_05.9C17.C13.o1.np	Method	AAT/NAP
Start	229	End	7320
GI	6063557	Score	337
Exons	229..312, 3505..3690, 3939..4132, 7296..7320		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	12558	Seq. ID	OJ990730_05.9C17.C13
Gene No.	26561	Strand	-
Start	229	End	7320
Name	OJ990730_05.9C17.C13.o2.gs	Method	GENSCAN
Start	5535	End	6032
GI	none	Score	.7
Exons	5535..6032		

Seq. No.	12558	Seq. ID	OJ990730_05.9C17.C13
Gene No.	26562	Strand	-
Start	14516	End	16041
Name	OJ990730_05.9C17.C13.o1.tm	Method	TBLASTX:Maize
Start	1349	End	4415
GI	none	Score	37
Exons	1349..1381, 1453..1515, 1475..1516, 1594..1641, 1595..1642, 1647..1757, 1670..1777, 1675..1761, 2672..2728, 2677..2721, 2760..2831, 2761..2832, 2822..2872, 2833..2871, 2858..2896, 4130..4153, 4131..4151, 4176..4208, 4176..4205, 4177..4206, 4208..4231, 4209..4232, 4324..4386, 4324..4386, 4332..4394, 4391..4414, 4392..4415		

Seq. No.	12558	Seq. ID	OJ990730_05.9C17.C13
Gene No.	26562	Strand	-
Start	14516	End	16041
Name	OJ990730_05.9C17.C13.o4.gs	Method	GENSCAN
Start	14516	End	16041
GI	none	Score	.47
Exons	14516..14568, 14613..15148, 15166..15342, 15683..16041		

Seq. No.	12559	Seq. ID	OJ990730_05.9C17.C15
Gene No.	26563	Strand	-

Start	1	End	1909
Name	OJ990730_05.9C17.C15.o1.np	Method	AAT/NAP
Start	1	End	1909
GI	6721547	Score	96
Exons	1..80, 1812..1909		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	12559	Seq. ID	OJ990730_05.9C17.C15
Gene No.	26564	Strand	-
Start	5008	End	8127
Name	OJ990730_05.9C17.C15.o2.gs	Method	GENSCAN
Start	5008	End	8127
GI	none	Score	.47
Exons	5008..5271, 5716..5784, 6098..6237, 6683..6717, 7183..7602, 7631..7781, 8003..8127		

Seq. No.	12560	Seq. ID	OJ990730_05.9C17.C16
Gene No.	26565	Strand	+
Start	6399	End	6800
Name	OJ990730_05.9C17.C16.o1.gp	Method	AAT/GAP
Start	6399	End	6800
GI	uC-osf1M202097d10b1	Score	79
Exons	6399..6432, 6734..6800		
GI Descrip.	'4062935/dbj|AB003495.1|AB003495 3.0e-14 Oryza sativa DNA for dihydroflavonol 4-reductase, complete cds'		

Seq. No.	12560	Seq. ID	OJ990730_05.9C17.C16
Gene No.	26566	Strand	-
Start	3915	End	10167
Name	OJ990730_05.9C17.C16.o2.gs	Method	GENSCAN
Start	3915	End	10167
GI	none	Score	.78
Exons	3915..4013, 5620..5642, 10155..10167		

Seq. No.	12561	Seq. ID	OJ990730_05.9C17.C17
Gene No.	26567	Strand	+
Start	202	End	6494
Name	OJ990730_05.9C17.C17.o1.gs	Method	GENSCAN
Start	202	End	6494
GI	none	Score	.77
Exons	202..486, 585..641, 744..929, 1019..1103, 1699..1789, 1866..2030, 3054..3222, 3973..4132, 4219..4308, 4852..5087, 5868..6494		

Seq. No.	12561	Seq. ID	OJ990730_05.9C17.C17
Gene No.	26567	Strand	+
Start	202	End	6494
Name	OJ990730_05.9C17.C17.o1.gp	Method	AAT/GAP
Start	806	End	1932
GI	569467	Score	625
Exons	806..929, 1019..1103, 1699..1788, 1864..1932		
GI Descrip.	3228517 1.0e-43 (AF007788) ETTIN [Arabidopsis thaliana]		

Seq. No.	12561	Seq. ID	OJ990730_05.9C17.C17
Gene No.	26567	Strand	+
Start	202	End	6494
Name	OJ990730_05.9C17.C17.o2.gp	Method	AAT/GAP

Start	3982	End	4530
GI	2428540	Score	902
Exons	3982..4132, 4219..4530		
GI Descrip.	2245390 1.0e-09 (U89296) auxin response transcription factor 3; ARF3 [Arabidopsis thaliana]		

Seq. No.	12561	Seq. ID	OJ990730_05.9C17.C17
Gene No.	26567	Strand	+
Start	202	End	6494
Name	OJ990730_05.9C17.C17.o3.gp	Method	AAT/GAP
Start	4863	End	5607
GI	59443_1.R1084	Score	1270
Exons	4863..5087, 5158..5607		
GI Descrip.	'2245390 1.0e-09 (U89296) auxin response transcription factor 3; ARF3 [Arabidopsis thaliana]'		

Seq. No.	12561	Seq. ID	OJ990730_05.9C17.C17
Gene No.	26568	Strand	+
Start	10698	End	13016
Name	OJ990730_05.9C17.C17.o1.np	Method	AAT/NAP
Start	10683	End	13013
GI	479356	Score	1595
Exons	10683..13013		
GI Descrip.	protein kinase PK1 (EC 2.7.1.-), receptor-like - maize		

Seq. No.	12561	Seq. ID	OJ990730_05.9C17.C17
Gene No.	26568	Strand	+
Start	10698	End	13016
Name	OJ990730_05.9C17.C17.o3.gs	Method	GENSCAN
Start	10698	End	13016
GI	none	Score	.99
Exons	10698..13016		

Seq. No.	12561	Seq. ID	OJ990730_05.9C17.C17
Gene No.	26569	Strand	+
Start	17019	End	23094
Name	OJ990730_05.9C17.C17.o5.gs	Method	GENSCAN
Start	17019	End	23094
GI	none	Score	.59
Exons	17019..17189, 20799..21247, 21390..21616, 21656..23094		

Seq. No.	12561	Seq. ID	OJ990730_05.9C17.C17
Gene No.	26570	Strand	+
Start	24018	End	32201
Name	OJ990730_05.9C17.C17.o2.np	Method	AAT/NAP
Start	23996	End	32201
GI	6175155	Score	566
Exons	23996..24299, 29688..30036, 30661..32201		
GI Descrip.	(AC010796) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	12561	Seq. ID	OJ990730_05.9C17.C17
Gene No.	26570	Strand	+
Start	24018	End	32201
Name	OJ990730_05.9C17.C17.o6.gs	Method	GENSCAN
Start	24018	End	25483
GI	none	Score	.45
Exons	24018..24237, 25467..25483		

Seq. No.	12561	Seq. ID	OJ990730_05.9C17.C17
Gene No.	26570	Strand	+
Start	24018	End	32201
Name	OJ990730_05.9C17.C17.o5.gp	Method	AAT/GAP
Start	30942	End	31163
GI	none	Score	436
Exons	30942..31163		

Seq. No.	12561	Seq. ID	OJ990730_05.9C17.C17
Gene No.	26571	Strand	+
Start	37947	End	39669
Name	OJ990730_05.9C17.C17.o3.np	Method	AAT/NAP
Start	37947	End	39669
GI	5922619	Score	115
Exons	37947..38056, 39558..39669		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016852|dbj|BAA85195.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	12561	Seq. ID	OJ990730_05.9C17.C17
Gene No.	26572	Strand	+
Start	40447	End	50024
Name	OJ990730_05.9C17.C17.o9.gs	Method	GENSCAN
Start	40447	End	49756
GI	none	Score	.46
Exons	40447..40484, 40750..40925, 43082..43129, 43441..43530, 43567..44068, 44783..44907, 45850..46116, 46191..46432, 46720..46837, 47405..47874, 48017..48071, 48147..48281, 48324..49429, 49493..49756		

Seq. No.	12561	Seq. ID	OJ990730_05.9C17.C17
Gene No.	26572	Strand	+
Start	40447	End	50024
Name	OJ990730_05.9C17.C17.o4.np	Method	AAT/NAP
Start	47570	End	50024
GI	6498441	Score	2679
Exons	47570..48635, 48966..49429, 49493..50024		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	12561	Seq. ID	OJ990730_05.9C17.C17
Gene No.	26573	Strand	-
Start	14507	End	43629
Name	OJ990730_05.9C17.C17.o2.tc	Method	TBLASTX:Cress
Start	295	End	4520
GI	none	Score	154
Exons	295..402, 297..404, 451..486, 579..641, 804..929, 827..919, 1018..1104, 1019..1105, 1689..1790, 1697..1789, 1852..2031, 3037..3174, 3088..3171, 3282..3317, 3315..3350, 3973..4059, 4212..4286, 4217..4282, 4470..4520		

Seq. No.	12561	Seq. ID	OJ990730_05.9C17.C17
Gene No.	26573	Strand	-
Start	14507	End	43629
Name	OJ990730_05.9C17.C17.o4.tm	Method	TBLASTX:Maize

Start	366	End	1106
GI	none	Score	69
Exons	366..404, 367..408, 450..485, 451..486, 579..644, 584..643, 806..919, 807..929, 898..930, 975..1103, 1018..1104, 1019..1105, 1020..1106		

Seq. No.	12561	Seq. ID	OJ990730_05.9C17.C17
Gene No.	26573	Strand	-
Start	14507	End	43629
Name	OJ990730_05.9C17.C17.o2.ts	Method	TBLASTX:Soybean
Start	840	End	1105
GI	4306688	Score	148
Exons	840..929, 842..910, 1019..1105, 1030..1104		
GI Descrip.	-		

Seq. No.	12561	Seq. ID	OJ990730_05.9C17.C17
Gene No.	26573	Strand	-
Start	14507	End	43629
Name	OJ990730_05.9C17.C17.o1.tm	Method	TBLASTX:Maize
Start	1689	End	5229
GI	none	Score	114
Exons	1689..1790, 1697..1789, 1852..2031, 1868..1957, 1875..2033, 1915..2028, 1979..2035, 3051..3125, 3052..3174, 3055..3171, 3273..3350, 3274..3351, 3963..4133, 3973..4134, 3977..4144, 3999..4130, 4200..4535, 4216..4533, 4218..4535, 4220..4561, 4354..4536, 4536..4625, 4676..4774, 4684..4770, 4861..5010, 4910..5020, 4920..5015, 4928..5041, 5012..5089, 5013..5099, 5017..5094, 5157..5228, 5158..5229, 5158..5229		

Seq. No.	12561	Seq. ID	OJ990730_05.9C17.C17
Gene No.	26573	Strand	-
Start	14507	End	43629
Name	OJ990730_05.9C17.C17.o3.ts	Method	TBLASTX:Soybean
Start	1689	End	3192
GI	none	Score	135
Exons	1689..1790, 1697..1789, 1864..2073, 3052..3192, 3106..3192		

Seq. No.	12561	Seq. ID	OJ990730_05.9C17.C17
Gene No.	26573	Strand	-
Start	14507	End	43629
Name	OJ990730_05.9C17.C17.o3.tw	Method	TBLASTX:Wheat
Start	3044	End	43629
GI	none	Score	192
Exons	3044..3175, 3052..3177, 3052..3177, 3273..3350, 3274..3351, 3274..3351, 3957..4115, 3959..4114, 3973..4131, 3999..4130, 4199..4402, 4213..4290, 4216..4407, 4221..4403, 4342..4407, 4385..4444, 4389..4445, 4444..4491, 4445..4492, 4445..4492, 4446..4493, 43582..43629		

Seq. No.	12561	Seq. ID	OJ990730_05.9C17.C17
Gene No.	26573	Strand	-
Start	14507	End	43629
Name	OJ990730_05.9C17.C17.o6.tm	Method	TBLASTX:Maize
Start	7385	End	7535
GI	none	Score	117
Exons	7385..7534, 7392..7535		

Seq. No.	12561	Seq. ID	OJ990730_05.9C17.C17
Gene No.	26573	Strand	-
Start	14507	End	43629
Name	OJ990730_05.9C17.C17.o4.ts	Method	TBLASTX:Soybean
Start	10752	End	29901
GI	none	Score	129
Exons	10752..10913, 10760..10909, 10908..11057, 10925..11011, 20811..20966, 20961..21146, 29620..29724, 29725..29757, 29779..29901		

Seq. No.	12561	Seq. ID	OJ990730_05.9C17.C17
Gene No.	26573	Strand	-
Start	14507	End	43629
Name	OJ990730_05.9C17.C17.o1.tc	Method	TBLASTX:Cress
Start	10875	End	31730
GI	none	Score	43
Exons	10875..10985, 10974..11039, 11064..11204, 11430..11630, 12246..12434, 12248..12364, 12440..12607, 12447..12638, 12657..12773, 12855..12998, 21137..21220, 21138..21200, 21484..21684, 22300..22479, 22501..22692, 22503..22673, 22702..22827, 22702..22824, 22710..22835, 29974..30060, 30286..30420, 31197..31304, 31198..31356, 31375..31566, 31401..31568, 31585..31710, 31593..31730		

Seq. No.	12561	Seq. ID	OJ990730_05.9C17.C17
Gene No.	26573	Strand	-
Start	14507	End	43629
Name	OJ990730_05.9C17.C17.o3.tm	Method	TBLASTX:Maize
Start	11052	End	30207
GI	none	Score	79
Exons	11052..11117, 11069..11116, 11096..11212, 11105..11260, 11115..11351, 11115..11351, 21098..21169, 21099..21167, 21146..21292, 21159..21293, 21177..21296, 21295..21405, 21312..21404, 29911..29976, 29971..30207, 29982..30065, 30112..30207		

Seq. No.	12561	Seq. ID	OJ990730_05.9C17.C17
Gene No.	26573	Strand	-
Start	14507	End	43629
Name	OJ990730_05.9C17.C17.o2.tm	Method	TBLASTX:Maize
Start	12152	End	31698
GI	none	Score	74
Exons	12152..12280, 12189..12281, 12291..12440, 12291..12398, 12453..12761, 12467..12718, 22245..22274, 22345..22479, 22507..22815, 22527..22814, 31141..31176, 31201..31344, 31387..31551, 31401..31553, 31561..31698, 31563..31697		

Seq. No.	12561	Seq. ID	OJ990730_05.9C17.C17
Gene No.	26573	Strand	-
Start	14507	End	43629
Name	OJ990730_05.9C17.C17.o1.ts	Method	TBLASTX:Soybean
Start	12159	End	31539
GI	none	Score	296
Exons	12159..12425, 12167..12436, 12176..12373, 12453..12605, 12459..12605, 22213..22479, 22403..22492, 22451..22621, 22506..22625, 22507..22659, 22507..22659, 31191..31358, 31195..31344, 31372..31539, 31380..31538		

Seq. No.	12561	Seq. ID	OJ990730_05.9C17.C17
Gene No.	26573	Strand	-
Start	14507	End	43629
Name	OJ990730_05.9C17.C17.o1.tw	Method	TBLASTX:Wheat
Start	12296	End	31626
GI	none	Score	169
Exons	12296..12367, 12297..12428, 12304..12411, 12325..12432, 12446..12718, 12450..12719, 22351..22482, 22361..22465, 22503..22739, 22504..22743, 22506..22742, 31215..31346, 31216..31347, 31365..31562, 31366..31563, 31570..31626		

Seq. No.	12561	Seq. ID	OJ990730_05.9C17.C17
Gene No.	26573	Strand	-
Start	14507	End	43629
Name	OJ990730_05.9C17.C17.o4.gp	Method	AAT/GAP
Start	14284	End	14584
GI	2312863	Score	573
Exons	14284..14584		
GI Descrip.	5091496/dbj|AB023482.2|AB023482 1.0e-12 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence		

Seq. No.	12561	Seq. ID	OJ990730_05.9C17.C17
Gene No.	26573	Strand	-
Start	14507	End	43629
Name	OJ990730_05.9C17.C17.o4.gs	Method	GENSCAN
Start	14507	End	15734
GI	none	Score	.54
Exons	14507..14601, 14777..14919, 14939..15064, 15179..15454, 15475..15734		

Seq. No.	12561	Seq. ID	OJ990730_05.9C17.C17
Gene No.	26574	Strand	
Start	47719	End	48111
Name	OJ990730_05.9C17.C17.o4.tw	Method	TBLASTX:Wheat
Start	47719	End	48111
GI	none	Score	58
Exons	47719..47766, 47773..47871, 47778..47870, 47838..48077, 47854..48111		

Seq. No.	12561	Seq. ID	OJ990730_05.9C17.C17
Gene No.	26574	Strand	
Start	47719	End	48111
Name	OJ990730_05.9C17.C17.o5.tm	Method	TBLASTX:Maize
Start	47724	End	48009
GI	none	Score	196
Exons	47724..48008, 47761..48009		

Seq. No.	12561	Seq. ID	OJ990730_05.9C17.C17
Gene No.	26575	Strand	
Start	48850	End	49621
Name	OJ990730_05.9C17.C17.o2.tw	Method	TBLASTX:Wheat
Start	48850	End	49621
GI	none	Score	405
Exons	48850..49023, 48851..49336, 49045..49305, 49424..49621, 49424..49606, 49477..49620		

Seq. No.	12562	Seq. ID	OJ990730_05.9C17.C18
Gene No.	26576	Strand	+
Start	1	End	606
Name	OJ990730_05.9C17.C18.o1.np	Method	AAT/NAP
Start	1	End	606
GI	81286	Score	180
Exons	1..263, 357..606		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	12563	Seq. ID	OJ990730_05.9C17.C21
Gene No.	26577	Strand	-
Start	22	End	220
Name	OJ990730_05.9C17.C21.o1.gs	Method	GENSCAN
Start	22	End	220
GI	none	Score	.94
Exons	22..220		

Seq. No.	12564	Seq. ID	OJ990730_05.9C17.C22
Gene No.	26578	Strand	+
Start	1	End	432
Name	OJ990730_05.9C17.C22.o1.gp	Method	AAT/GAP
Start	1	End	432
GI	LIB3431-045-P1-N1-A10	Score	844
Exons	1..432		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	12564	Seq. ID	OJ990730_05.9C17.C22
Gene No.	26579	Strand	-
Start	375	End	683
Name	OJ990730_05.9C17.C22.o2.gp	Method	AAT/GAP
Start	375	End	683
GI	7406_1.R1084	Score	530
Exons	375..683		
GI Descrip.	'1122315/emb|CAA63901| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	12565	Seq. ID	OJ990730_05.9C17.C23
Gene No.	26580	Strand	+
Start	1	End	283
Name	OJ990730_05.9C17.C23.o1.np	Method	AAT/NAP
Start	1	End	283
GI	5441880	Score	431
Exons	1..283		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	12565	Seq. ID	OJ990730_05.9C17.C23
Gene No.	26580	Strand	+
Start	1	End	283
Name	OJ990730_05.9C17.C23.o1.gp	Method	AAT/GAP
Start	103	End	283
GI	5701669	Score	334
Exons	103..283		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945)		

corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]

Seq. No.	12565	Seq. ID	OJ990730_05.9C17.C23
Gene No.	26581	Strand	-
Start	14	End	265
Name	OJ990730_05.9C17.C23.o1.gs	Method	GENSCAN
Start	14	End	265
GI	none	Score	.66
Exons	14..69, 193..265		

Seq. No.	12566	Seq. ID	OJ990730_05.9C17.C25
Gene No.	26582	Strand	+
Start	63	End	92
Name	OJ990730_05.9C17.C25.o1.gs	Method	GENSCAN
Start	63	End	92
GI	none	Score	.52
Exons	63..92		

Seq. No.	12567	Seq. ID	OJ990730_05.9C17.C27
Gene No.	26583	Strand	+
Start	48	End	362
Name	OJ990730_05.9C17.C27.o1.gs	Method	GENSCAN
Start	48	End	362
GI	none	Score	.86
Exons	48..362		

Seq. No.	12568	Seq. ID	OJ990730_05.9C17.C31
Gene No.	26584	Strand	-
Start	1	End	730
Name	OJ990730_05.9C17.C31.o1.np	Method	AAT/NAP
Start	1	End	730
GI	4741203	Score	186
Exons	1..46, 194..420, 702..730		
GI Descrip.	(AL049746) putative protein [Arabidopsis thaliana]		

Seq. No.	12568	Seq. ID	OJ990730_05.9C17.C31
Gene No.	26584	Strand	-
Start	1	End	730
Name	OJ990730_05.9C17.C31.o1.tc	Method	TBLASTX:Cress
Start	194	End	327
GI	none	Score	141
Exons	194..325, 194..325, 202..327		

Seq. No.	12568	Seq. ID	OJ990730_05.9C17.C31
Gene No.	26584	Strand	-
Start	1	End	730
Name	OJ990730_05.9C17.C31.o1.tm	Method	TBLASTX:Maize
Start	194	End	459
GI	none	Score	180
Exons	194..370, 195..374, 202..369, 347..448, 376..450, 380..457, 382..459		

Seq. No.	12568	Seq. ID	OJ990730_05.9C17.C31
Gene No.	26584	Strand	-
Start	1	End	730
Name	OJ990730_05.9C17.C31.o1.ts	Method	TBLASTX:Soybean

Start	194	End	348
GI	none	Score	138
Exons	194..346, 194..325, 202..348		

Seq. No.	12568	Seq. ID	OJ990730_05.9C17.C31
Gene No.	26584	Strand	-
Start	1	End	730
Name	OJ990730_05.9C17.C31.o1.gs	Method	GENSCAN
Start	202	End	455
GI	none	Score	.66
Exons	202..455		

Seq. No.	12569	Seq. ID	OJ990730_01.9C17.C1
Gene No.	26585	Strand	+
Start	672	End	8625
Name	OJ990730_01.9C17.C1.o1.gs	Method	GENSCAN
Start	672	End	8625
GI	none	Score	.65
Exons	672..1352, 1432..1914, 2299..2445, 3032..4015, 4436..4557, 4582..4772, 7146..7662, 7732..8244, 8370..8625		

Seq. No.	12569	Seq. ID	OJ990730_01.9C17.C1
Gene No.	26585	Strand	+
Start	672	End	8625
Name	OJ990730_01.9C17.C1.o3.np	Method	AAT/NAP
Start	2356	End	5464
GI	4416302	Score	3384
Exons	2356..5464		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	12569	Seq. ID	OJ990730_01.9C17.C1
Gene No.	26586	Strand	-
Start	6821	End	9951
Name	OJ990730_01.9C17.C1.o6.tm	Method	TBLASTX:Maize
Start	2184	End	2544
GI	none	Score	105
Exons	2184..2276, 2193..2276, 2305..2544, 2313..2381, 2409..2537		

Seq. No.	12569	Seq. ID	OJ990730_01.9C17.C1
Gene No.	26586	Strand	-
Start	6821	End	9951
Name	OJ990730_01.9C17.C1.o4.tw	Method	TBLASTX:Wheat
Start	2320	End	2637
GI	none	Score	227
Exons	2320..2637, 2334..2555		

Seq. No.	12569	Seq. ID	OJ990730_01.9C17.C1
Gene No.	26586	Strand	-
Start	6821	End	9951
Name	OJ990730_01.9C17.C1.o4.tm	Method	TBLASTX:Maize
Start	2547	End	2939
GI	none	Score	92
Exons	2547..2678, 2548..2676, 2666..2872, 2667..2888, 2667..2939, 2671..2937		

Seq. No.	12569	Seq. ID	OJ990730_01.9C17.C1
Gene No.	26586	Strand	-

Start	6821	End	9951
Name	OJ990730_01.9C17.C1.o2.tw	Method	TBLASTX:Wheat
Start	2709	End	3283
GI	none	Score	261
Exons	2709..2939, 2710..2955, 2957..3283, 2995..3012, 3009..3272, 3029..3274		

Seq. No.	12569	Seq. ID	OJ990730_01.9C17.C1
Gene No.	26586	Strand	-
Start	6821	End	9951
Name	OJ990730_01.9C17.C1.o2.tm	Method	TBLASTX:Maize
Start	2944	End	3734
GI	none	Score	109
Exons	2944..3015, 2951..3028, 3016..3594, 3017..3634, 3017..3634, 3189..3635, 3678..3734		

Seq. No.	12569	Seq. ID	OJ990730_01.9C17.C1
Gene No.	26586	Strand	-
Start	6821	End	9951
Name	OJ990730_01.9C17.C1.o3.ts	Method	TBLASTX:Soybean
Start	3125	End	3535
GI	none	Score	336
Exons	3125..3535, 3154..3333, 3382..3534		

Seq. No.	12569	Seq. ID	OJ990730_01.9C17.C1
Gene No.	26586	Strand	-
Start	6821	End	9951
Name	OJ990730_01.9C17.C1.o1.tc	Method	TBLASTX:Cress
Start	3167	End	3583
GI	none	Score	206
Exons	3167..3583		

Seq. No.	12569	Seq. ID	OJ990730_01.9C17.C1
Gene No.	26586	Strand	-
Start	6821	End	9951
Name	OJ990730_01.9C17.C1.o5.tw	Method	TBLASTX:Wheat
Start	3368	End	3605
GI	none	Score	100
Exons	3368..3445, 3452..3598, 3460..3594, 3461..3598, 3462..3605		

Seq. No.	12569	Seq. ID	OJ990730_01.9C17.C1
Gene No.	26586	Strand	-
Start	6821	End	9951
Name	OJ990730_01.9C17.C1.o5.tm	Method	TBLASTX:Maize
Start	3791	End	4093
GI	none	Score	299
Exons	3791..4054, 3826..4089, 4043..4093		

Seq. No.	12569	Seq. ID	OJ990730_01.9C17.C1
Gene No.	26586	Strand	-
Start	6821	End	9951
Name	OJ990730_01.9C17.C1.o1.ts	Method	TBLASTX:Soybean
Start	3821	End	4434
GI	5509260	Score	707
Exons	3821..4429, 3827..4426, 3916..4434, 4171..4434		
GI Descrip.	-		

Seq. No.	12569	Seq. ID	OJ990730_01.9C17.C1
Gene No.	26586	Strand	-
Start	6821	End	9951
Name	OJ990730_01.9C17.C1.o1.tw	Method	TBLASTX:Wheat
Start	3950	End	4426
GI	none	Score	92
Exons	3950..4039, 4063..4416, 4073..4420, 4079..4207, 4081..4419, 4250..4426		

Seq. No.	12569	Seq. ID	OJ990730_01.9C17.C1
Gene No.	26586	Strand	-
Start	6821	End	9951
Name	OJ990730_01.9C17.C1.o2.tc	Method	TBLASTX:Cress
Start	4043	End	4315
GI	none	Score	184
Exons	4043..4315, 4054..4188, 4109..4189		

Seq. No.	12569	Seq. ID	OJ990730_01.9C17.C1
Gene No.	26586	Strand	-
Start	6821	End	9951
Name	OJ990730_01.9C17.C1.o3.tm	Method	TBLASTX:Maize
Start	4094	End	4561
GI	none	Score	556
Exons	4094..4558, 4094..4213, 4096..4554, 4247..4561		

Seq. No.	12569	Seq. ID	OJ990730_01.9C17.C1
Gene No.	26586	Strand	-
Start	6821	End	9951
Name	OJ990730_01.9C17.C1.o7.tm	Method	TBLASTX:Maize
Start	4603	End	4795
GI	none	Score	256
Exons	4603..4794, 4604..4795		

Seq. No.	12569	Seq. ID	OJ990730_01.9C17.C1
Gene No.	26586	Strand	-
Start	6821	End	9951
Name	OJ990730_01.9C17.C1.o3.tw	Method	TBLASTX:Wheat
Start	4610	End	5041
GI	none	Score	102
Exons	4610..4771, 4784..5041		

Seq. No.	12569	Seq. ID	OJ990730_01.9C17.C1
Gene No.	26586	Strand	-
Start	6821	End	9951
Name	OJ990730_01.9C17.C1.o1.tm	Method	TBLASTX:Maize
Start	4796	End	5483
GI	none	Score	883
Exons	4796..5458, 4798..5472, 5359..5463, 5361..5483		

Seq. No.	12569	Seq. ID	OJ990730_01.9C17.C1
Gene No.	26586	Strand	-
Start	6821	End	9951
Name	OJ990730_01.9C17.C1.o2.ts	Method	TBLASTX:Soybean
Start	4805	End	5491
GI	none	Score	294
Exons	4805..5188, 4810..5181, 5221..5397, 5228..5491		

Seq. No.	12569	Seq. ID	OJ990730_01.9C17.C1
Gene No.	26586	Strand	-
Start	6821	End	9951
Name	OJ990730_01.9C17.C1.o3.tc	Method	TBLASTX:Cress
Start	4985	End	5443
GI	none	Score	54
Exons	4985..5047, 5078..5188, 5216..5443, 5224..5391		

Seq. No.	12569	Seq. ID	OJ990730_01.9C17.C1
Gene No.	26586	Strand	-
Start	6821	End	9951
Name	OJ990730_01.9C17.C1.o4.np	Method	AAT/NAP
Start	6821	End	9951
GI	6721516	Score	250
Exons	6821..7056, 9555..9813, 9930..9951		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	12570	Seq. ID	OJ990730_01.9C17.C2
Gene No.	26587	Strand	-
Start	117	End	541
Name	OJ990730_01.9C17.C2.o1.gs	Method	GENSCAN
Start	117	End	541
GI	none	Score	.85
Exons	117..275, 356..541		

Seq. No.	12571	Seq. ID	OJ990730_01.9C17.C3
Gene No.	26588	Strand	-
Start	1	End	604
Name	OJ990730_01.9C17.C3.o1.gp	Method	AAT/GAP
Start	1	End	107
GI	5701669	Score	198
Exons	1..107		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	12571	Seq. ID	OJ990730_01.9C17.C3
Gene No.	26588	Strand	-
Start	1	End	604
Name	OJ990730_01.9C17.C3.o1.np	Method	AAT/NAP
Start	1	End	604
GI	5441880	Score	1047
Exons	1..604		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	12571	Seq. ID	OJ990730_01.9C17.C3
Gene No.	26588	Strand	-
Start	1	End	604
Name	OJ990730_01.9C17.C3.o1.gs	Method	GENSCAN
Start	256	End	600
GI	none	Score	.96
Exons	256..600		

Seq. No.	12572	Seq. ID	OJ990730_01.9C17.C4
Gene No.	26589	Strand	-

Start	1	End	563
Name	OJ990730_01.9C17.C4.o1.np	Method	AAT/NAP
Start	1	End	563
GI	6815062	Score	257
Exons	1..226, 312..563		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	12572	Seq. ID	OJ990730_01.9C17.C4
Gene No.	26589	Strand	-
Start	1	End	563
Name	OJ990730_01.9C17.C4.o1.tm	Method	TBLASTX:Maize
Start	23	End	557
GI	none	Score	83
Exons	23..232, 42..188, 477..557		

Seq. No.	12572	Seq. ID	OJ990730_01.9C17.C4
Gene No.	26589	Strand	-
Start	1	End	563
Name	OJ990730_01.9C17.C4.o1.gs	Method	GENSCAN
Start	228	End	428
GI	none	Score	.42
Exons	228..428		

Seq. No.	12573	Seq. ID	OJ990730_01.9C17.C5
Gene No.	26590	Strand	-
Start	493	End	687
Name	OJ990730_01.9C17.C5.o1.gs	Method	GENSCAN
Start	493	End	687
GI	none	Score	.54
Exons	493..687		

Seq. No.	12573	Seq. ID	OJ990730_01.9C17.C5
Gene No.	26591	Strand	-
Start	4175	End	5678
Name	OJ990730_01.9C17.C5.o1.np	Method	AAT/NAP
Start	4175	End	5678
GI	2160690	Score	99
Exons	4175..4200, 5495..5678		
GI Descrip.	(U73526) B' regulatory subunit of PP2A [Arabidopsis thaliana]		

Seq. No.	12574	Seq. ID	OJ990730_01.9C17.C6
Gene No.	26592	Strand	+
Start	1	End	142
Name	OJ990730_01.9C17.C6.o1.gp	Method	AAT/GAP
Start	1	End	142
GI	21474_1.R1084	Score	248
Exons	1..142		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	12574	Seq. ID	OJ990730_01.9C17.C6
Gene No.	26593	Strand	-
Start	206	End	453
Name	OJ990730_01.9C17.C6.o1.np	Method	AAT/NAP
Start	206	End	453

GI	862343	Score	114
Exons	206..453		
GI Descrip.	(L10908) Gcap1 gene product [Mus musculus] gi|1092097|prf||2022314A granule cell marker protein [Mus musculus] gi|1092098|prf||2022315A granule cell marker protein [Mus musculus]		

Seq. No.	12574	Seq. ID	OJ990730_01.9C17.C6
Gene No.	26594	Strand	-
Start	500	End	2706
Name	OJ990730_01.9C17.C6.o1.gs	Method	GENSCAN
Start	500	End	2706
GI	none	Score	.91
Exons	500..685, 958..1030, 1115..1225, 1322..1495, 1605..2062, 2083..2289, 2291..2433, 2559..2706		

Seq. No.	12574	Seq. ID	OJ990730_01.9C17.C6
Gene No.	26594	Strand	-
Start	500	End	2706
Name	OJ990730_01.9C17.C6.o1.tw	Method	TBLASTX:Wheat
Start	1156	End	1678
GI	none	Score	61
Exons	1156..1227, 1327..1509, 1598..1678		

Seq. No.	12574	Seq. ID	OJ990730_01.9C17.C6
Gene No.	26594	Strand	-
Start	500	End	2706
Name	OJ990730_01.9C17.C6.o3.gp	Method	AAT/GAP
Start	1705	End	2182
GI	uC-osflcyp176f10b1	Score	821
Exons	1705..2182		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	12575	Seq. ID	OJ990730_01.9C17.C7
Gene No.	26595	Strand	-
Start	1	End	1361
Name	OJ990730_01.9C17.C7.o1.np	Method	AAT/NAP
Start	1	End	1361
GI	4680204	Score	712
Exons	1..1361		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	12575	Seq. ID	OJ990730_01.9C17.C7
Gene No.	26595	Strand	-
Start	1	End	1361
Name	OJ990730_01.9C17.C7.o1.gs	Method	GENSCAN
Start	46	End	1346
GI	none	Score	.47
Exons	46..686, 854..1346		

Seq. No.	12575	Seq. ID	OJ990730_01.9C17.C7
Gene No.	26595	Strand	-
Start	1	End	1361
Name	OJ990730_01.9C17.C7.o1.tw	Method	TBLASTX:Wheat
Start	316	End	717

GI	none	Score	84
Exons	316..486, 449..616, 481..717, 568..717		

Seq. No.	12576	Seq. ID	OJ990730_01.9C17.C8
Gene No.	26596	Strand	+
Start	636	End	1053
Name	OJ990730_01.9C17.C8.o3.gp	Method	AAT/GAP
Start	636	End	1053
GI	LIB3431-028-P1-N1-A10	Score	820
Exons	636..1053		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	12576	Seq. ID	OJ990730_01.9C17.C8
Gene No.	26597	Strand	+
Start	6332	End	9878
Name	OJ990730_01.9C17.C8.o2.np	Method	AAT/NAP
Start	6332	End	9851
GI	3549681	Score	545
Exons	6332..6413, 7614..7839, 7904..8004, 8116..8308, 8420..8581, 8677..8758, 9147..9503, 9681..9851		
GI Descrip.	(AL031394) male sterility 2-like protein [Arabidopsis thaliana]		

Seq. No.	12576	Seq. ID	OJ990730_01.9C17.C8
Gene No.	26597	Strand	+
Start	6332	End	9878
Name	OJ990730_01.9C17.C8.o3.gs	Method	GENSCAN
Start	7170	End	9878
GI	none	Score	.59
Exons	7170..7384, 7693..7839, 7868..8004, 8092..8268, 8736..8758, 9147..9413, 9498..9622, 9710..9878		

Seq. No.	12576	Seq. ID	OJ990730_01.9C17.C8
Gene No.	26597	Strand	+
Start	6332	End	9878
Name	OJ990730_01.9C17.C8.o8.gp	Method	AAT/GAP
Start	7636	End	7982
GI	uC-osflM202062h11b1	Score	528
Exons	7636..7839, 7904..7982		
GI Descrip.	'2632129/emb|CAA10889| 9.0e-32 (AJ222589) poly(ADP-ribose) polymerase [Zea mays]'		

Seq. No.	12576	Seq. ID	OJ990730_01.9C17.C8
Gene No.	26598	Strand	+
Start	17478	End	20192
Name	OJ990730_01.9C17.C8.o4.np	Method	AAT/NAP
Start	17478	End	20192
GI	6907089	Score	3602
Exons	17478..18738, 18841..20192		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	12576	Seq. ID	OJ990730_01.9C17.C8
Gene No.	26598	Strand	+
Start	17478	End	20192
Name	OJ990730_01.9C17.C8.o5.gs	Method	GENSCAN
Start	17478	End	20142
GI	none	Score	.9

Exons	17478..18738, 18788..20142		
Seq. No.	12576	Seq. ID	OJ990730_01.9C17.C8
Gene No.	26599	Strand	-
Start	1	End	4452
Name	OJ990730_01.9C17.C8.o6.gp	Method	AAT/GAP
Start	1	End	3999
GI	342_1.R1084	Score	6435
Exons	1..384, 462..483, 628..3999		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	12576	Seq. ID	OJ990730_01.9C17.C8
Gene No.	26599	Strand	-
Start	1	End	4452
Name	OJ990730_01.9C17.C8.o1.gp	Method	AAT/GAP
Start	1	End	3860
GI	342_1.R1084	Score	6251
Exons	1..384, 462..483, 628..3860		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	12576	Seq. ID	OJ990730_01.9C17.C8
Gene No.	26599	Strand	-
Start	1	End	4452
Name	OJ990730_01.9C17.C8.o2.gp	Method	AAT/GAP
Start	1	End	3864
GI	342_1.R1084	Score	6255
Exons	1..384, 462..483, 628..3864		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	12576	Seq. ID	OJ990730_01.9C17.C8
Gene No.	26599	Strand	-
Start	1	End	4452
Name	OJ990730_01.9C17.C8.o1.np	Method	AAT/NAP
Start	693	End	4003
GI	4680203	Score	3290
Exons	693..1670, 1947..2176, 2330..4003		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	12576	Seq. ID	OJ990730_01.9C17.C8
Gene No.	26599	Strand	-
Start	1	End	4452
Name	OJ990730_01.9C17.C8.o7.gp	Method	AAT/GAP
Start	3864	End	4452
GI	2310235	Score	301
Exons	3864..4003, 4415..4452		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	12576	Seq. ID	OJ990730_01.9C17.C8
Gene No.	26600	Strand	-
Start	4811	End	6195
Name	OJ990730_01.9C17.C8.o2.gs	Method	GENSCAN
Start	4811	End	6195
GI	none	Score	.55

Exons	4811..5129, 5428..5794, 6129..6195		
Seq. No.	12576	Seq. ID	OJ990730_01.9C17.C8
Gene No.	26601	Strand	-
Start	11680	End	20192
Name	OJ990730_01.9C17.C8.o1.tw	Method	TBLASTX:Wheat
Start	747	End	2064
GI	none	Score	131
Exons	747..839, 828..908, 921..1061, 922..1062, 1009..1104, 1041..1100, 1107..1148, 1107..1151, 1108..1155, 1146..2063, 1161..1478, 1162..2064, 1339..2064		
Seq. No.	12576	Seq. ID	OJ990730_01.9C17.C8
Gene No.	26601	Strand	-
Start	11680	End	20192
Name	OJ990730_01.9C17.C8.o1.tc	Method	TBLASTX:Cress
Start	1329	End	1780
GI	none	Score	79
Exons	1329..1478, 1329..1772, 1333..1776, 1339..1776, 1598..1780		
Seq. No.	12576	Seq. ID	OJ990730_01.9C17.C8
Gene No.	26601	Strand	-
Start	11680	End	20192
Name	OJ990730_01.9C17.C8.o2.tm	Method	TBLASTX:Maize
Start	1707	End	2021
GI	none	Score	71
Exons	1707..1937, 1707..2021, 1735..2010		
Seq. No.	12576	Seq. ID	OJ990730_01.9C17.C8
Gene No.	26601	Strand	-
Start	11680	End	20192
Name	OJ990730_01.9C17.C8.o4.tw	Method	TBLASTX:Wheat
Start	2067	End	2474
GI	none	Score	46
Exons	2067..2102, 2087..2149, 2094..2150, 2183..2401, 2223..2405, 2411..2473, 2424..2474		
Seq. No.	12576	Seq. ID	OJ990730_01.9C17.C8
Gene No.	26601	Strand	-
Start	11680	End	20192
Name	OJ990730_01.9C17.C8.o2.ts	Method	TBLASTX:Soybean
Start	2507	End	2749
GI	none	Score	216
Exons	2507..2749		
Seq. No.	12576	Seq. ID	OJ990730_01.9C17.C8
Gene No.	26601	Strand	-
Start	11680	End	20192
Name	OJ990730_01.9C17.C8.o1.tm	Method	TBLASTX:Maize
Start	2579	End	3037
GI	none	Score	91
Exons	2579..2773, 2784..3017, 2789..3037, 2792..3025		
Seq. No.	12576	Seq. ID	OJ990730_01.9C17.C8
Gene No.	26601	Strand	-
Start	11680	End	20192
Name	OJ990730_01.9C17.C8.o2.tw	Method	TBLASTX:Wheat

Start	2613	End	3082
GI	none	Score	173
Exons	2613..2819, 2613..2822, 2618..2821, 2618..2842, 2822..2920, 2823..2915, 2924..3028, 2928..3017, 3029..3082, 3030..3074		

Seq. No.	12576	Seq. ID	OJ990730_01.9C17.C8
Gene No.	26601	Strand	-
Start	11680	End	20192
Name	OJ990730_01.9C17.C8.o2.tc	Method	TBLASTX:Cress
Start	2870	End	3218
GI	none	Score	88
Exons	2870..3211, 2889..3026, 3066..3218		

Seq. No.	12576	Seq. ID	OJ990730_01.9C17.C8
Gene No.	26601	Strand	-
Start	11680	End	20192
Name	OJ990730_01.9C17.C8.o1.ts	Method	TBLASTX:Soybean
Start	2951	End	3380
GI	none	Score	117
Exons	2951..3247, 2969..3193, 3297..3380, 3305..3379		

Seq. No.	12576	Seq. ID	OJ990730_01.9C17.C8
Gene No.	26601	Strand	-
Start	11680	End	20192
Name	OJ990730_01.9C17.C8.o3.tw	Method	TBLASTX:Wheat
Start	3301	End	3652
GI	none	Score	187
Exons	3301..3552, 3311..3562, 3312..3554, 3545..3652		

Seq. No.	12576	Seq. ID	OJ990730_01.9C17.C8
Gene No.	26601	Strand	-
Start	11680	End	20192
Name	OJ990730_01.9C17.C8.o4.ts	Method	TBLASTX:Soybean
Start	7604	End	8003
GI	none	Score	127
Exons	7604..7840, 7669..7857, 7901..8002, 7902..8003		

Seq. No.	12576	Seq. ID	OJ990730_01.9C17.C8
Gene No.	26601	Strand	-
Start	11680	End	20192
Name	OJ990730_01.9C17.C8.o3.tc	Method	TBLASTX:Cress
Start	7853	End	9836
GI	none	Score	90
Exons	7853..8002, 7884..8003, 8114..8161, 8115..8159, 8412..8576, 8420..8581, 8429..8599, 8675..8761, 9147..9215, 9219..9341, 9687..9836		

Seq. No.	12576	Seq. ID	OJ990730_01.9C17.C8
Gene No.	26601	Strand	-
Start	11680	End	20192
Name	OJ990730_01.9C17.C8.o3.ts	Method	TBLASTX:Soybean
Start	8378	End	9845
GI	none	Score	202
Exons	8378..8581, 8412..8588, 9159..9413, 9786..9845		

Seq. No.	12576	Seq. ID	OJ990730_01.9C17.C8
Gene No.	26601	Strand	-

Start	11680	End	20192
Name	OJ990730_01.9C17.C8.o4.gs	Method	GENSCAN
Start	11680	End	16493
GI	none	Score	.6
Exons	11680..11795, 12045..12306, 12743..12817, 13265..13358, 14804..14867, 15166..15277, 15694..15855, 16231..16273, 16354..16493		

Seq. No.	12576	Seq. ID	OJ990730_01.9C17.C8
Gene No.	26601	Strand	-
Start	11680	End	20192
Name	OJ990730_01.9C17.C8.o3.np	Method	AAT/NAP
Start	15811	End	20192
GI	5042454	Score	214
Exons	15811..15865, 16231..16403, 17095..17177, 17843..17914, 18471..18639, 19000..19173, 20161..20192		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	12577	Seq. ID	OJ990730_01.9C17.C9
Gene No.	26602	Strand	+
Start	13	End	459
Name	OJ990730_01.9C17.C9.o1.gs	Method	GENSCAN
Start	13	End	459
GI	none	Score	1
Exons	13..459		

Seq. No.	12577	Seq. ID	OJ990730_01.9C17.C9
Gene No.	26603	Strand	-
Start	697	End	7321
Name	OJ990730_01.9C17.C9.o2.gs	Method	GENSCAN
Start	697	End	7321
GI	none	Score	.4
Exons	697..839, 1092..4154, 4283..4625, 4689..5417, 5425..5634, 5675..5795, 5813..5987, 6254..6345, 6472..7119, 7160..7228, 7260..7321		

Seq. No.	12577	Seq. ID	OJ990730_01.9C17.C9
Gene No.	26603	Strand	-
Start	697	End	7321
Name	OJ990730_01.9C17.C9.o1.np	Method	AAT/NAP
Start	1094	End	6547
GI	6498441	Score	7029
Exons	1094..1374, 1468..2865, 3037..3760, 3935..4069, 4252..4625, 4689..5152, 5484..6547		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	12577	Seq. ID	OJ990730_01.9C17.C9
Gene No.	26603	Strand	-
Start	697	End	7321
Name	OJ990730_01.9C17.C9.o6.tw	Method	TBLASTX:Wheat
Start	1103	End	1704
GI	none	Score	53
Exons	1103..1174, 1107..1175, 1198..1227, 1202..1228, 1420..1704, 1421..1699, 1507..1704		

Seq. No.	12577	Seq. ID	OJ990730_01.9C17.C9
Gene No.	26603	Strand	-
Start	697	End	7321
Name	OJ990730_01.9C17.C9.o4.tw	Method	TBLASTX:Wheat
Start	1705	End	2086
GI	none	Score	216
Exons	1705..2085, 1736..2086		

Seq. No.	12577	Seq. ID	OJ990730_01.9C17.C9
Gene No.	26603	Strand	-
Start	697	End	7321
Name	OJ990730_01.9C17.C9.o3.tm	Method	TBLASTX:Maize
Start	1861	End	2223
GI	none	Score	80
Exons	1861..1908, 1880..2014, 1891..2103, 1900..2223, 1913..2206		

Seq. No.	12577	Seq. ID	OJ990730_01.9C17.C9
Gene No.	26603	Strand	-
Start	697	End	7321
Name	OJ990730_01.9C17.C9.o8.tw	Method	TBLASTX:Wheat
Start	2416	End	2728
GI	none	Score	64
Exons	2416..2724, 2552..2728		

Seq. No.	12577	Seq. ID	OJ990730_01.9C17.C9
Gene No.	26603	Strand	-
Start	697	End	7321
Name	OJ990730_01.9C17.C9.o2.ts	Method	TBLASTX:Soybean
Start	2476	End	3042
GI	5666795	Score	68
Exons	2476..2715, 2731..2868, 2944..3042		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	12577	Seq. ID	OJ990730_01.9C17.C9
Gene No.	26603	Strand	-
Start	697	End	7321
Name	OJ990730_01.9C17.C9.o5.tw	Method	TBLASTX:Wheat
Start	2731	End	3189
GI	none	Score	146
Exons	2731..2880, 2914..3165, 2924..3100, 2935..3189		

Seq. No.	12577	Seq. ID	OJ990730_01.9C17.C9
Gene No.	26603	Strand	-
Start	697	End	7321
Name	OJ990730_01.9C17.C9.o1.ts	Method	TBLASTX:Soybean
Start	3598	End	3969
GI	none	Score	94
Exons	3598..3969, 3809..3952		

Seq. No.	12577	Seq. ID	OJ990730_01.9C17.C9
Gene No.	26603	Strand	-
Start	697	End	7321
Name	OJ990730_01.9C17.C9.o2.tw	Method	TBLASTX:Wheat
Start	3623	End	4048
GI	none	Score	320
Exons	3623..4048, 3625..4047		

Seq. No.	12577	Seq. ID	OJ990730_01.9C17.C9
Gene No.	26603	Strand	-
Start	697	End	7321
Name	OJ990730_01.9C17.C9.o1.tm	Method	TBLASTX:Maize
Start	3721	End	4105
GI	none	Score	221
Exons	3721..4104, 3740..4105		

Seq. No.	12577	Seq. ID	OJ990730_01.9C17.C9
Gene No.	26603	Strand	-
Start	697	End	7321
Name	OJ990730_01.9C17.C9.o2.tm	Method	TBLASTX:Maize
Start	4132	End	4487
GI	none	Score	42
Exons	4132..4176, 4142..4180, 4181..4366, 4182..4487, 4183..4452		

Seq. No.	12577	Seq. ID	OJ990730_01.9C17.C9
Gene No.	26603	Strand	-
Start	697	End	7321
Name	OJ990730_01.9C17.C9.o1.tw	Method	TBLASTX:Wheat
Start	4160	End	4618
GI	none	Score	223
Exons	4160..4345, 4161..4616, 4167..4616, 4168..4617, 4397..4618		

Seq. No.	12577	Seq. ID	OJ990730_01.9C17.C9
Gene No.	26603	Strand	-
Start	697	End	7321
Name	OJ990730_01.9C17.C9.o3.ts	Method	TBLASTX:Soybean
Start	4212	End	4577
GI	none	Score	117
Exons	4212..4346, 4353..4577		

Seq. No.	12577	Seq. ID	OJ990730_01.9C17.C9
Gene No.	26603	Strand	-
Start	697	End	7321
Name	OJ990730_01.9C17.C9.o3.tw	Method	TBLASTX:Wheat
Start	4782	End	5268
GI	none	Score	169
Exons	4782..5267, 4786..5073, 5131..5268		

Seq. No.	12577	Seq. ID	OJ990730_01.9C17.C9
Gene No.	26603	Strand	-
Start	697	End	7321
Name	OJ990730_01.9C17.C9.o7.tw	Method	TBLASTX:Wheat
Start	6007	End	6344
GI	none	Score	76
Exons	6007..6231, 6041..6229, 6043..6270, 6246..6344, 6247..6327		

Seq. No.	12578	Seq. ID	OJ990730_01.9C17.C10
Gene No.	26604	Strand	+
Start	1	End	795
Name	OJ990730_01.9C17.C10.o1.np	Method	AAT/NAP
Start	1	End	355
GI	5922623	Score	57
Exons	1..93, 281..355		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein		

[Oryza sativa]

Seq. No.	12578	Seq. ID	OJ990730_01.9C17.C10
Gene No.	26604	Strand	+
Start	1	End	795
Name	OJ990730_01.9C17.C10.o1.gs	Method	GENSCAN
Start	152	End	795
GI	none	Score	.6
Exons	152..292, 407..515, 701..795		

Seq. No.	12578	Seq. ID	OJ990730_01.9C17.C10
Gene No.	26605	Strand	-
Start	1681	End	3499
Name	OJ990730_01.9C17.C10.o2.np	Method	AAT/NAP
Start	1681	End	3486
GI	6721512	Score	141
Exons	1681..1729, 3209..3343, 3371..3486		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	12578	Seq. ID	OJ990730_01.9C17.C10
Gene No.	26605	Strand	-
Start	1681	End	3499
Name	OJ990730_01.9C17.C10.o2.gs	Method	GENSCAN
Start	3070	End	3499
GI	none	Score	.77
Exons	3070..3219, 3371..3499		

Seq. No.	12579	Seq. ID	OJ990730_01.9C17.C11
Gene No.	26606	Strand	+
Start	456	End	3870
Name	OJ990730_01.9C17.C11.o1.np	Method	AAT/NAP
Start	456	End	3583
GI	4680203	Score	1543
Exons	456..2175, 2332..2559, 2836..3583		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	12579	Seq. ID	OJ990730_01.9C17.C11
Gene No.	26606	Strand	+
Start	456	End	3870
Name	OJ990730_01.9C17.C11.o1.gs	Method	GENSCAN
Start	840	End	3870
GI	none	Score	.5
Exons	840..1542, 1681..2109, 2168..3161, 3216..3870		

Seq. No.	12579	Seq. ID	OJ990730_01.9C17.C11
Gene No.	26606	Strand	+
Start	456	End	3870
Name	OJ990730_01.9C17.C11.o1.ts	Method	TBLASTX:Soybean
Start	963	End	1235
GI	none	Score	290
Exons	963..1235, 1001..1210		

Seq. No.	12579	Seq. ID	OJ990730_01.9C17.C11
Gene No.	26606	Strand	+
Start	456	End	3870
Name	OJ990730_01.9C17.C11.o3.tw	Method	TBLASTX:Wheat
Start	972	End	1403

GI	none	Score	198
Exons	972..1235, 1001..1210, 1299..1403, 1305..1397		
Seq. No.	12579	Seq. ID	OJ990730_01.9C17.C11
Gene No.	26606	Strand	+
Start	456	End	3870
Name	OJ990730_01.9C17.C11.o2.tc	Method	TBLASTX:Cress
Start	1290	End	1637
GI	none	Score	266
Exons	1290..1637, 1391..1441, 1475..1582		
Seq. No.	12579	Seq. ID	OJ990730_01.9C17.C11
Gene No.	26606	Strand	+
Start	456	End	3870
Name	OJ990730_01.9C17.C11.o2.ts	Method	TBLASTX:Soybean
Start	1316	End	1556
GI	none	Score	216
Exons	1316..1555, 1317..1556		
Seq. No.	12579	Seq. ID	OJ990730_01.9C17.C11
Gene No.	26606	Strand	+
Start	456	End	3870
Name	OJ990730_01.9C17.C11.o2.tm	Method	TBLASTX:Maize
Start	1400	End	1617
GI	none	Score	260
Exons	1400..1606, 1410..1616, 1410..1616, 1429..1617		
Seq. No.	12579	Seq. ID	OJ990730_01.9C17.C11
Gene No.	26606	Strand	+
Start	456	End	3870
Name	OJ990730_01.9C17.C11.o2.tw	Method	TBLASTX:Wheat
Start	1410	End	1725
GI	none	Score	290
Exons	1410..1724, 1432..1725, 1439..1708		
Seq. No.	12579	Seq. ID	OJ990730_01.9C17.C11
Gene No.	26606	Strand	+
Start	456	End	3870
Name	OJ990730_01.9C17.C11.o1.tm	Method	TBLASTX:Maize
Start	2425	End	2808
GI	none	Score	56
Exons	2425..2493, 2493..2723, 2494..2808, 2502..2807		
Seq. No.	12579	Seq. ID	OJ990730_01.9C17.C11
Gene No.	26606	Strand	+
Start	456	End	3870
Name	OJ990730_01.9C17.C11.o1.tw	Method	TBLASTX:Wheat
Start	2449	End	3582
GI	none	Score	520
Exons	2449..3162, 2499..2633, 2680..2850, 2682..2981, 3021..3137, 3184..3384, 3225..3356, 3361..3450, 3381..3452, 3481..3582, 3483..3533		
Seq. No.	12579	Seq. ID	OJ990730_01.9C17.C11
Gene No.	26606	Strand	+
Start	456	End	3870
Name	OJ990730_01.9C17.C11.o1.tc	Method	TBLASTX:Cress

Start	2740	End	3162
GI	none	Score	290
Exons	2740..3162, 2748..2981, 3021..3137		

Seq. No.	12579	Seq. ID	OJ990730_01.9C17.C11
Gene No.	26606	Strand	+
Start	456	End	3870
Name	OJ990730_01.9C17.C11.o3:tm	Method	TBLASTX:Maize
Start	3058	End	3350
GI	none	Score	160
Exons	3058..3234, 3075..3233, 3240..3350, 3241..3348		

Seq. No.	12580	Seq. ID	OJ990730_01.9C17.C12
Gene No.	26607	Strand	-
Start	1641	End	2561
Name	OJ990730_01.9C17.C12.o1.gs	Method	GENSCAN
Start	1641	End	2561
GI	none	Score	.46
Exons	1641..1748, 2105..2176, 2436..2561		

Seq. No.	12581	Seq. ID	OJ990730_01.9C17.C13
Gene No.	26608	Strand	+
Start	97	End	2642
Name	OJ990730_01.9C17.C13.o1.gs	Method	GENSCAN
Start	97	End	2642
GI	none	Score	.69
Exons	97..235, 541..914, 969..1347, 1390..1485, 1591..1828, 1914..2024, 2115..2144, 2272..2362, 2448..2642		

Seq. No.	12581	Seq. ID	OJ990730_01.9C17.C13
Gene No.	26608	Strand	+
Start	97	End	2642
Name	OJ990730_01.9C17.C13.o1.gp	Method	AAT/GAP
Start	1184	End	1729
GI	LIB3431-004-P1-K1-F8	Score	818
Exons	1184..1498, 1577..1729		
GI Descrip.	'3080439/emb|CAA18756.1| 2.0e-14 (AL022605) putative protein [Arabidopsis thaliana]'		

Seq. No.	12581	Seq. ID	OJ990730_01.9C17.C13
Gene No.	26609	Strand	+
Start	5629	End	6647
Name	OJ990730_01.9C17.C13.o3.gs	Method	GENSCAN
Start	5629	End	6647
GI	none	Score	.77
Exons	5629..5643, 5735..5806, 6540..6647		

Seq. No.	12581	Seq. ID	OJ990730_01.9C17.C13
Gene No.	26610	Strand	+
Start	7531	End	9243
Name	OJ990730_01.9C17.C13.o4.gs	Method	GENSCAN
Start	7531	End	9243
GI	none	Score	.55
Exons	7531..7652, 7731..7843, 9221..9243		

Seq. No.	12581	Seq. ID	OJ990730_01.9C17.C13
Gene No.	26611	Strand	-

Start	1	End	13158
Name	OJ990730_01.9C17.C13.o1.np	Method	AAT/NAP
Start	1	End	13158
GI	5091617	Score	527
Exons	1..29, 3434..4336, 13136..13158		
GI Descrip.	(AC007454) Contains similarity to gi|479356 protein kinase PK1 from Zea mays, is a member of the PF|00954 S-locus glycoprotein family and contains a PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	12581	Seq. ID	OJ990730_01.9C17.C13
Gene No.	26611	Strand	-
Start	1	End	13158
Name	OJ990730_01.9C17.C13.o1.tc	Method	TBLASTX:Cress
Start	3464	End	3783
GI	none	Score	91
Exons	3464..3604, 3466..3615, 3625..3783, 3626..3775		

Seq. No.	12581	Seq. ID	OJ990730_01.9C17.C13
Gene No.	26611	Strand	-
Start	1	End	13158
Name	OJ990730_01.9C17.C13.o2.tw	Method	TBLASTX:Wheat
Start	3466	End	3766
GI	none	Score	69
Exons	3466..3765, 3494..3601, 3632..3766		

Seq. No.	12581	Seq. ID	OJ990730_01.9C17.C13
Gene No.	26611	Strand	-
Start	1	End	13158
Name	OJ990730_01.9C17.C13.o1.tm	Method	TBLASTX:Maize
Start	3489	End	3736
GI	none	Score	72
Exons	3489..3548, 3490..3627, 3491..3634, 3491..3634, 3619..3705, 3625..3735, 3626..3736		

Seq. No.	12581	Seq. ID	OJ990730_01.9C17.C13
Gene No.	26611	Strand	-
Start	1	End	13158
Name	OJ990730_01.9C17.C13.o1.ts	Method	TBLASTX:Soybean
Start	3491	End	3783
GI	none	Score	99
Exons	3491..3583, 3493..3783, 3650..3781		

Seq. No.	12581	Seq. ID	OJ990730_01.9C17.C13
Gene No.	26611	Strand	-
Start	1	End	13158
Name	OJ990730_01.9C17.C13.o2.np	Method	AAT/NAP
Start	11156	End	11760
GI	6539553	Score	814
Exons	11156..11760		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	12581	Seq. ID	OJ990730_01.9C17.C13
Gene No.	26611	Strand	-

Start	1	End	13158
Name	OJ990730_01.9C17.C13.o1.tw	Method	TBLASTX:Wheat
Start	11284	End	11757
GI	none	Score	120
Exons	11284..11667, 11288..11395, 11315..11668, 11317..11667, 11483..11668, 11683..11757, 11683..11757		

Seq. No.	12581	Seq. ID	OJ990730_01.9C17.C13
Gene No.	26611	Strand	-
Start	1	End	13158
Name	OJ990730_01.9C17.C13.o3.np	Method	AAT/NAP
Start	11891	End	13158
GI	5852175	Score	58
Exons	11891..11924, 12565..12630, 13120..13158		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	12582	Seq. ID	OJ990730_01.9C17.C15
Gene No.	26612	Strand	+
Start	902	End	1500
Name	OJ990730_01.9C17.C15.o1.gs	Method	GENSCAN
Start	902	End	1500
GI	none	Score	.49
Exons	902..947, 1415..1500		

Seq. No.	12582	Seq. ID	OJ990730_01.9C17.C15
Gene No.	26613	Strand	+
Start	1441	End	4595
Name	OJ990730_01.9C17.C15.o2.np	Method	AAT/NAP
Start	1441	End	4595
GI	6721516	Score	591
Exons	1441..1473, 3164..3404, 3819..4131, 4392..4595		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	12582	Seq. ID	OJ990730_01.9C17.C15
Gene No.	26614	Strand	+
Start	10025	End	16006
Name	OJ990730_01.9C17.C15.o4.gs	Method	GENSCAN
Start	10025	End	16006
GI	none	Score	.8
Exons	10025..10075, 10693..10914, 10922..11077, 12167..12395, 12566..12681, 13010..13099, 13846..13910, 14006..14167, 15693..15777, 15899..16006		

Seq. No.	12582	Seq. ID	OJ990730_01.9C17.C15
Gene No.	26615	Strand	-
Start	1830	End	2423
Name	OJ990730_01.9C17.C15.o2.gs	Method	GENSCAN
Start	1830	End	2423
GI	none	Score	.93
Exons	1830..2423		

Seq. No.	12582	Seq. ID	OJ990730_01.9C17.C15
Gene No.	26615	Strand	-
Start	1830	End	2423
Name	OJ990730_01.9C17.C15.o1.np	Method	AAT/NAP
Start	1848	End	2423
GI	4490739	Score	364

Exons	1848..2042, 2070..2423		
GI Descrip.	(AL035708) putative protein [Arabidopsis thaliana]		
Seq. No.	12582	Seq. ID	OJ990730_01.9C17.C15
Gene No.	26616	Strand	-
Start	5217	End	20544
Name	OJ990730_01.9C17.C15.o2.ts	Method	TBLASTX:Soybean
Start	2109	End	2426
GI	none	Score	167
Exons	2109..2345, 2119..2334, 2382..2426		
Seq. No.	12582	Seq. ID	OJ990730_01.9C17.C15
Gene No.	26616	Strand	-
Start	5217	End	20544
Name	OJ990730_01.9C17.C15.o3.tm	Method	TBLASTX:Maize
Start	2115	End	2448
GI	none	Score	448
Exons	2115..2435, 2119..2427, 2299..2448		
Seq. No.	12582	Seq. ID	OJ990730_01.9C17.C15
Gene No.	26616	Strand	-
Start	5217	End	20544
Name	OJ990730_01.9C17.C15.o3.np	Method	AAT/NAP
Start	5217	End	20544
GI	1091678	Score	1945
Exons	5217..5328, 6579..8597, 20229..20544		
GI Descrip.	activator-like transposable element [Pennisetum glaucum]		
Seq. No.	12582	Seq. ID	OJ990730_01.9C17.C15
Gene No.	26616	Strand	-
Start	5217	End	20544
Name	OJ990730_01.9C17.C15.o3.gs	Method	GENSCAN
Start	6303	End	9030
GI	none	Score	.42
Exons	6303..6353, 6452..6525, 6613..7013, 7434..7671, 7874..8395, 8453..8590, 8910..9030		
Seq. No.	12582	Seq. ID	OJ990730_01.9C17.C15
Gene No.	26616	Strand	-
Start	5217	End	20544
Name	OJ990730_01.9C17.C15.o6.ts	Method	TBLASTX:Soybean
Start	6596	End	6829
GI	none	Score	83
Exons	6596..6829, 6633..6770		
Seq. No.	12582	Seq. ID	OJ990730_01.9C17.C15
Gene No.	26616	Strand	-
Start	5217	End	20544
Name	OJ990730_01.9C17.C15.o1.tm	Method	TBLASTX:Maize
Start	6612	End	8084
GI	none	Score	200
Exons	6612..6893, 6614..6907, 6618..6890, 7001..7246, 7019..7246, 7238..7738, 7266..7739, 7287..7739, 7573..7740, 7758..7796, 7777..8025, 7784..8023, 7785..8024, 8025..8084		
Seq. No.	12582	Seq. ID	OJ990730_01.9C17.C15
Gene No.	26616	Strand	-

Start	5217	End	20544
Name	OJ990730_01.9C17.C15.o4.ts	Method	TBLASTX:Soybean
Start	7004	End	7426
GI	none	Score	51
Exons	7004..7255, 7121..7219, 7238..7426, 7259..7405		

Seq. No.	12582	Seq. ID	OJ990730_01.9C17.C15
Gene No.	26616	Strand	-
Start	5217	End	20544
Name	OJ990730_01.9C17.C15.o1.tw	Method	TBLASTX:Wheat
Start	7439	End	7717
GI	none	Score	199
Exons	7439..7717		

Seq. No.	12582	Seq. ID	OJ990730_01.9C17.C15
Gene No.	26616	Strand	-
Start	5217	End	20544
Name	OJ990730_01.9C17.C15.o5.ts	Method	TBLASTX:Soybean
Start	7821	End	8219
GI	none	Score	101
Exons	7821..8216, 7830..8219		

Seq. No.	12582	Seq. ID	OJ990730_01.9C17.C15
Gene No.	26616	Strand	-
Start	5217	End	20544
Name	OJ990730_01.9C17.C15.o5.tm	Method	TBLASTX:Maize
Start	8085	End	8288
GI	none	Score	171
Exons	8085..8288, 8095..8268, 8100..8282		

Seq. No.	12582	Seq. ID	OJ990730_01.9C17.C15
Gene No.	26616	Strand	-
Start	5217	End	20544
Name	OJ990730_01.9C17.C15.o2.tc	Method	TBLASTX:Cress
Start	12397	End	16021
GI	none	Score	94
Exons	12397..12465, 12398..12469, 12565..12684, 12986..13099, 13010..13102, 13849..13914, 14000..14107, 14000..14179, 14004..14165, 14583..14687, 14606..14686, 14771..14851, 14773..14847, 15578..15664, 15896..16021, 15898..16005		

Seq. No.	12582	Seq. ID	OJ990730_01.9C17.C15
Gene No.	26616	Strand	-
Start	5217	End	20544
Name	OJ990730_01.9C17.C15.o3.ts	Method	TBLASTX:Soybean
Start	12398	End	16008
GI	none	Score	83
Exons	12398..12469, 12403..12465, 12565..12684, 13010..13102, 13027..13101, 13849..13911, 14004..14165, 14012..14188, 14606..14686, 14607..14687, 14771..14851, 14773..14841, 15578..15661, 15589..15627, 15726..15779, 15739..15777, 15896..16006, 15896..16000, 15898..16008		

Seq. No.	12582	Seq. ID	OJ990730_01.9C17.C15
Gene No.	26616	Strand	-
Start	5217	End	20544
Name	OJ990730_01.9C17.C15.o4.tm	Method	TBLASTX:Maize

Start	12401	End	14214
GI	none	Score	118
Exons	12401..12469, 12403..12465, 12565..12684, 12621..12689, 13007..13099, 13010..13099, 13821..13904, 13844..13924, 13849..13911, 14000..14179, 14004..14165, 14005..14214		

Seq. No.	12582	Seq. ID	OJ990730_01.9C17.C15
Gene No.	26616	Strand	-
Start	5217	End	20544
Name	OJ990730_01.9C17.C15.o5.gs	Method	GENSCAN
Start	17195	End	20434
GI	none	Score	.68
Exons	17195..17899, 17909..18549, 20376..20434		

Seq. No.	12582	Seq. ID	OJ990730_01.9C17.C15
Gene No.	26616	Strand	-
Start	5217	End	20544
Name	OJ990730_01.9C17.C15.o3.tc	Method	TBLASTX:Cress
Start	17219	End	17459
GI	none	Score	101
Exons	17219..17314, 17348..17458, 17349..17459		

Seq. No.	12582	Seq. ID	OJ990730_01.9C17.C15
Gene No.	26616	Strand	-
Start	5217	End	20544
Name	OJ990730_01.9C17.C15.o1.ts	Method	TBLASTX:Soybean
Start	17348	End	17941
GI	none	Score	119
Exons	17348..17401, 17417..17551, 17442..17585, 17642..17941		

Seq. No.	12582	Seq. ID	OJ990730_01.9C17.C15
Gene No.	26616	Strand	-
Start	5217	End	20544
Name	OJ990730_01.9C17.C15.o2.tm	Method	TBLASTX:Maize
Start	17348	End	18118
GI	none	Score	113
Exons	17348..17401, 17417..17551, 17442..17552, 17642..17950, 17802..17900, 17954..18118, 17964..18056		

Seq. No.	12582	Seq. ID	OJ990730_01.9C17.C15
Gene No.	26616	Strand	-
Start	5217	End	20544
Name	OJ990730_01.9C17.C15.o1.tc	Method	TBLASTX:Cress
Start	17699	End	18148
GI	none	Score	95
Exons	17699..18040, 17802..17906, 18059..18148		

Seq. No.	12583	Seq. ID	OJ990730_01.9C17.C16
Gene No.	26617	Strand	+
Start	1476	End	5085
Name	OJ990730_01.9C17.C16.o1.gs	Method	GENSCAN
Start	1476	End	2108
GI	none	Score	.68
Exons	1476..2108		

Seq. No.	12583	Seq. ID	OJ990730_01.9C17.C16
Gene No.	26617	Strand	+

Start	1476	End	5085
Name	OJ990730_01.9C17.C16.o1.gp	Method	AAT/GAP
Start	1498	End	1768
GI	702093	Score	530
Exons	1498..1768		

Seq. No.	12583	Seq. ID	OJ990730_01.9C17.C16
Gene No.	26617	Strand	+
Start	1476	End	5085
Name	OJ990730_01.9C17.C16.o1.np	Method	AAT/NAP
Start	1747	End	5085
GI	3776564	Score	519
Exons	1747..2035, 2720..2829, 4186..4375, 4505..4566, 4720..4822, 4897..5085		
GI Descrip.	(AC005388) Similar to hypothetical protein T1D16.16 gi|3075397 from A. thaliana BAC gb|AC004484. [Arabidopsis thaliana]		

Seq. No.	12583	Seq. ID	OJ990730_01.9C17.C16
Gene No.	26617	Strand	+
Start	1476	End	5085
Name	OJ990730_01.9C17.C16.o1.tm	Method	TBLASTX:Maize
Start	1774	End	4551
GI	none	Score	113
Exons	1774..1851, 1816..1857, 1902..1958, 1903..1956, 2710..2829, 2718..2831, 2720..2830, 4175..4375, 4187..4357, 4191..4391, 4195..4392, 4195..4395, 4501..4551		

Seq. No.	12583	Seq. ID	OJ990730_01.9C17.C16
Gene No.	26617	Strand	+
Start	1476	End	5085
Name	OJ990730_01.9C17.C16.o2.tm	Method	TBLASTX:Maize
Start	4713	End	4949
GI	none	Score	96
Exons	4713..4823, 4718..4822, 4719..4823, 4720..4824, 4721..4825, 4881..4949, 4896..4949		

Seq. No.	12584	Seq. ID	OJ990730_01.9C17.C17
Gene No.	26618	Strand	-
Start	16	End	139
Name	OJ990730_01.9C17.C17.o1.gs	Method	GENSCAN
Start	16	End	139
GI	none	Score	.79
Exons	16..139		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26619	Strand	+
Start	3524	End	9632
Name	OJ990730_01.9C17.C19.o1.np	Method	AAT/NAP
Start	3524	End	9596
GI	5922631	Score	6693
Exons	3524..3648, 3907..4142, 4401..4610, 4644..5213, 5256..5407, 5534..6460, 7068..9596		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the		

predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26619	Strand	+
Start	3524	End	9632
Name	OJ990730_01.9C17.C19.o3.gs	Method	GENSCAN
Start	3524	End	9632
GI	none	Score	.62
Exons	3524..4131, 4133..4232, 4373..4922, 5081..6087, 6625..6822, 6920..7597, 7811..7994, 8035..8375, 8820..8961, 9055..9632		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26620	Strand	+
Start	11794	End	15306
Name	OJ990730_01.9C17.C19.o3.np	Method	AAT/NAP
Start	11794	End	13032
GI	6691716	Score	1444
Exons	11794..12678, 12876..13032		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26620	Strand	+
Start	11794	End	15306
Name	OJ990730_01.9C17.C19.o5.gs	Method	GENSCAN
Start	12406	End	15306
GI	none	Score	.48
Exons	12406..12678, 12735..13073, 14703..14875, 15240..15306		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26621	Strand	+
Start	17704	End	28151
Name	OJ990730_01.9C17.C19.o4.np	Method	AAT/NAP
Start	17704	End	28018
GI	3928871	Score	3534
Exons	17704..17847, 19269..19317, 19443..19629, 20637..20802, 20887..21183, 21913..22108, 22222..22380, 23069..23129, 23662..23725, 23857..24114, 24771..25008, 25102..25214, 25305..25381, 25468..25631, 26323..26514, 26649..26757, 27116..27198, 27292..27429, 27700..27882, 27974..28018		
GI Descrip.	(AF093627) poly(ADP)-ribose polymerase [Zea mays]		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26621	Strand	+
Start	17704	End	28151
Name	OJ990730_01.9C17.C19.o7.gs	Method	GENSCAN
Start	17704	End	21176
GI	none	Score	.74
Exons	17704..17847, 19269..19295, 20637..20802, 20881..21176		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26621	Strand	+
Start	17704	End	28151
Name	OJ990730_01.9C17.C19.o1.gp	Method	AAT/GAP
Start	20019	End	20733

GI	4107140	Score	1208
Exons	20019..20733		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26621	Strand	+
Start	17704	End	28151
Name	OJ990730_01.9C17.C19.o8.gs	Method	GENSCAN
Start	21978	End	28021
GI	none	Score	.61
Exons	21978..22108, 22326..22380, 24787..25008, 25060..25214, 25305..25381, 25468..25631, 26323..26518, 26571..26612, 27401..27429, 27700..27882, 27974..28021		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26621	Strand	+
Start	17704	End	28151
Name	OJ990730_01.9C17.C19.o2.gp	Method	AAT/GAP
Start	27700	End	28151
GI	3107055	Score	644
Exons	27700..27882, 27974..28151		
GI Descrip.	2632129/emb|CAA10889| 9.0e-32 (AJ222589) poly(ADP-ribose) polymerase [Zea mays]		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26622	Strand	+
Start	31263	End	33094
Name	OJ990730_01.9C17.C19.o10.gs	Method	GENSCAN
Start	31263	End	33094
GI	none	Score	.87
Exons	31263..31384, 32574..32707, 32973..33094		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26623	Strand	+
Start	33445	End	34235
Name	OJ990730_01.9C17.C19.o11.gs	Method	GENSCAN
Start	33445	End	34235
GI	none	Score	.74
Exons	33445..33514, 33729..33774, 33827..34235		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26624	Strand	+
Start	44956	End	46362
Name	OJ990730_01.9C17.C19.o14.gs	Method	GENSCAN
Start	44956	End	46362
GI	none	Score	.64
Exons	44956..46362		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26624	Strand	+
Start	44956	End	46362
Name	OJ990730_01.9C17.C19.o6.np	Method	AAT/NAP
Start	44962	End	46350
GI	2809253	Score	279
Exons	44962..45832, 45898..46350		
GI Descrip.	(AC002560) F21B7.22 [Arabidopsis thaliana]		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19

Gene No.	26624	Strand	+
Start	44956	End	46362
Name	OJ990730_01.9C17.C19.o4.gp	Method	AAT/GAP
Start	45062	End	45350
GI	none	Score	562
Exons	45062..45350		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26625	Strand	-
Start	773	End	2268
Name	OJ990730_01.9C17.C19.o2.gs	Method	GENSCAN
Start	773	End	2268
GI	none	Score	.46
Exons	773..781, 1345..1599, 1717..1775, 1986..2139, 2221..2268		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26626	Strand	-
Start	9973	End	14010
Name	OJ990730_01.9C17.C19.o2.np	Method	AAT/NAP
Start	9973	End	14010
GI	6691716	Score	1084
Exons	9973..10421, 10484..10599, 10750..10850, 10925..11112, 11190..11365, 11442..11642, 13990..14010		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26627	Strand	-
Start	15932	End	16605
Name	OJ990730_01.9C17.C19.o6.gs	Method	GENSCAN
Start	15932	End	16605
GI	none	Score	.63
Exons	15932..16141, 16213..16605		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26628	Strand	-
Start	28837	End	29781
Name	OJ990730_01.9C17.C19.o9.gs	Method	GENSCAN
Start	28837	End	29694
GI	none	Score	.45
Exons	28837..29694		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26628	Strand	-
Start	28837	End	29781
Name	OJ990730_01.9C17.C19.o3.gp	Method	AAT/GAP
Start	28849	End	29781
GI	10616_1.R1084	Score	1837
Exons	28849..29781		
GI Descrip.	'5042435/gb|AAD38274.1|AC006193_30 3.0e-84 (AC006193) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26628	Strand	-
Start	28837	End	29781
Name	OJ990730_01.9C17.C19.o5.np	Method	AAT/NAP

Start	28900	End	29688
GI	5042435	Score	864
Exons	28900..29688		
GI Descrip.	(AC006193) Unknown protein [Arabidopsis thaliana]		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26629	Strand	-
Start	37197	End	41132
Name	OJ990730_01.9C17.C19.o12.gs	Method	GENSCAN
Start	37197	End	41132
GI	none	Score	.58
Exons	37197..37297, 39037..39200, 39858..40217, 40378..40665, 40790..40935, 40965..41132		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26630	Strand	-
Start	42057	End	43317
Name	OJ990730_01.9C17.C19.o13.gs	Method	GENSCAN
Start	42057	End	43317
GI	none	Score	.73
Exons	42057..42130, 42569..42649, 43023..43157, 43275..43317		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26631	Strand	-
Start	49257	End	49363
Name	OJ990730_01.9C17.C19.o8.tw	Method	TBLASTX:Wheat
Start	4790	End	5160
GI	none	Score	201
Exons	4790..5071, 5047..5160		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26631	Strand	-
Start	49257	End	49363
Name	OJ990730_01.9C17.C19.o6.tw	Method	TBLASTX:Wheat
Start	5800	End	6257
GI	none	Score	142
Exons	5800..5976, 6021..6257, 6025..6255		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26631	Strand	-
Start	49257	End	49363
Name	OJ990730_01.9C17.C19.o2.tw	Method	TBLASTX:Wheat
Start	6477	End	6934
GI	none	Score	421
Exons	6477..6854, 6478..6861, 6595..6864, 6668..6865, 6860..6934		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26631	Strand	-
Start	49257	End	49363
Name	OJ990730_01.9C17.C19.o6.tm	Method	TBLASTX:Maize
Start	6607	End	6964
GI	none	Score	249
Exons	6607..6858, 6648..6863, 6680..6862, 6859..6954, 6863..6964		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26631	Strand	-
Start	49257	End	49363

Name	OJ990730_01.9C17.C19.o4.tm	Method	TBLASTX:Maize
Start	6992	End	7375
GI	none	Score	374
Exons	6992..7375, 7030..7374		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26631	Strand	-
Start	49257	End	49363
Name	OJ990730_01.9C17.C19.o1.tw	Method	TBLASTX:Wheat
Start	7048	End	7473
GI	none	Score	475
Exons	7048..7473, 7049..7468		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26631	Strand	-
Start	49257	End	49363
Name	OJ990730_01.9C17.C19.o3.ts	Method	TBLASTX:Soybean
Start	7097	End	7528
GI	none	Score	309
Exons	7097..7528, 7144..7497		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26631	Strand	-
Start	49257	End	49363
Name	OJ990730_01.9C17.C19.o7.tw	Method	TBLASTX:Wheat
Start	7478	End	7759
GI	none	Score	262
Exons	7478..7759, 7487..7579, 7597..7758		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26631	Strand	-
Start	49257	End	49363
Name	OJ990730_01.9C17.C19.o4.ts	Method	TBLASTX:Soybean
Start	7763	End	8141
GI	none	Score	78
Exons	7763..7858, 7898..7972, 8019..8141		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26631	Strand	-
Start	49257	End	49363
Name	OJ990730_01.9C17.C19.o5.tw	Method	TBLASTX:Wheat
Start	7763	End	8188
GI	none	Score	222
Exons	7763..7990, 7768..7980, 7986..8186, 7994..8188		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26631	Strand	-
Start	49257	End	49363
Name	OJ990730_01.9C17.C19.o10.tw	Method	TBLASTX:Wheat
Start	8202	End	8501
GI	none	Score	123
Exons	8202..8336, 8205..8345, 8212..8349, 8403..8501		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26631	Strand	-
Start	49257	End	49363
Name	OJ990730_01.9C17.C19.o2.tm	Method	TBLASTX:Maize

Start	8499	End	8861
GI	none	Score	414
Exons	8499..8822, 8519..8809, 8814..8861		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26631	Strand	-
Start	49257	End	49363
Name	OJ990730_01.9C17.C19.o4.tw	Method	TBLASTX:Wheat
Start	8504	End	8893
GI	none	Score	390
Exons	8504..8815, 8505..8891, 8706..8891, 8846..8893		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26631	Strand	-
Start	49257	End	49363
Name	OJ990730_01.9C17.C19.o3.tw	Method	TBLASTX:Wheat
Start	9006	End	9602
GI	none	Score	374
Exons	9006..9497, 9026..9094, 9161..9268, 9483..9602		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26631	Strand	-
Start	49257	End	49363
Name	OJ990730_01.9C17.C19.o8.tm	Method	TBLASTX:Maize
Start	9327	End	9581
GI	none	Score	161
Exons	9327..9500, 9425..9499, 9479..9580, 9480..9581		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26631	Strand	-
Start	49257	End	49363
Name	OJ990730_01.9C17.C19.o9.tw	Method	TBLASTX:Wheat
Start	11887	End	12204
GI	none	Score	212
Exons	11887..12204		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26631	Strand	-
Start	49257	End	49363
Name	OJ990730_01.9C17.C19.o1.tc	Method	TBLASTX:Cress
Start	17730	End	28021
GI	none	Score	87
Exons	17730..17846, 17734..17850, 19277..19318, 19441..19509, 19564..19641, 20658..20813, 20675..20812, 21039..21140, 21869..21961, 21913..22089, 21914..22108, 21989..22108, 22192..22263, 22213..22272, 23855..23962, 23855..23947, 23954..24112, 23980..24114, 23981..24118, 24750..25010, 24772..25008, 25101..25235, 25102..25215, 25252..25383, 25302..25382, 25458..25568, 25460..25501, 25530..25634, 25568..25633, 26320..26511, 26320..26499, 26321..26500, 26478..26525, 26640..26759, 26649..26765, 27114..27197, 27115..27198, 27291..27440, 27292..27426, 27698..27883, 27702..27884, 27703..27888, 27703..27888, 27971..28021, 27973..28005		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26631	Strand	-

Start	49257	End	49363
Name	OJ990730_01.9C17.C19.o3.tm	Method	TBLASTX:Maize
Start	21045	End	23989
GI	none	Score	138
Exons	21045..21146, 21045..21140, 21046..21141, 21047..21157, 21118..21201, 21134..21202, 21143..21202, 21906..22103, 21913..22107, 21914..22108, 22204..22371, 22213..22374, 23854..23988, 23854..23988, 23855..23989		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26631	Strand	-
Start	49257	End	49363
Name	OJ990730_01.9C17.C19.o1.tm	Method	TBLASTX:Maize
Start	24750	End	26458
GI	none	Score	360
Exons	24750..25004, 24760..25017, 24770..25018, 24772..25008, 25101..25235, 25102..25215, 25252..25383, 25284..25382, 25306..25389, 25458..25631, 25465..25623, 25466..25633, 25467..25631, 25471..25659, 26314..26454, 26314..26457, 26324..26458		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26631	Strand	-
Start	49257	End	49363
Name	OJ990730_01.9C17.C19.o2.ts	Method	TBLASTX:Soybean
Start	24775	End	25622
GI	none	Score	301
Exons	24775..24966, 24789..24965, 24958..25008, 24972..25010, 25101..25235, 25102..25215, 25261..25383, 25284..25382, 25306..25389, 25458..25568, 25466..25501, 25512..25619, 25536..25622		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26631	Strand	-
Start	49257	End	49363
Name	OJ990730_01.9C17.C19.o5.tm	Method	TBLASTX:Maize
Start	27177	End	28030
GI	none	Score	85
Exons	27177..27203, 27297..27338, 27327..27440, 27342..27428, 27343..27429, 27699..27884, 27700..27888, 27971..28030, 27971..28015		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26631	Strand	-
Start	49257	End	49363
Name	OJ990730_01.9C17.C19.o1.ts	Method	TBLASTX:Soybean
Start	29071	End	29637
GI	none	Score	95
Exons	29071..29181, 29072..29194, 29188..29637, 29189..29311, 29396..29605		

Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26631	Strand	-
Start	49257	End	49363
Name	OJ990730_01.9C17.C19.o7.tm	Method	TBLASTX:Maize
Start	29407	End	29683
GI	none	Score	260

Exons	29407..29628, 29408..29683		
Seq. No.	12585	Seq. ID	OJ990730_01.9C17.C19
Gene No.	26631	Strand	-
Start	49257	End	49363
Name	OJ990730_01.9C17.C19.o7.np	Method	AAT/NAP
Start	49257	End	49363
GI	3776564	Score	107
Exons	49257..49363		
GI Descrip.	(AC005388) Similar to hypothetical protein T1D16.16 gi|3075397 from A. thaliana BAC gb|AC004484. [Arabidopsis thaliana]		
Seq. No.	12586	Seq. ID	OJ990730_01.9C17.C20
Gene No.	26632	Strand	-
Start	20	End	2763
Name	OJ990730_01.9C17.C20.o1.gs	Method	GENSCAN
Start	20	End	1487
GI	none	Score	.58
Exons	20..257, 649..821, 1082..1180, 1257..1487		
Seq. No.	12586	Seq. ID	OJ990730_01.9C17.C20
Gene No.	26632	Strand	-
Start	20	End	2763
Name	OJ990730_01.9C17.C20.o1.np	Method	AAT/NAP
Start	649	End	2763
GI	6815062	Score	838
Exons	649..869, 948..1013, 1082..1180, 1257..1593, 1644..1863, 1941..2600, 2709..2763		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		
Seq. No.	12586	Seq. ID	OJ990730_01.9C17.C20
Gene No.	26632	Strand	-
Start	20	End	2763
Name	OJ990730_01.9C17.C20.o1.tm	Method	TBLASTX:Maize
Start	1257	End	2222
GI	none	Score	71
Exons	1257..1442, 1480..1566, 1643..1759, 1644..1742, 1741..1851, 1946..1972, 2083..2193, 2085..2222, 2085..2219, 2096..2221		
Seq. No.	12586	Seq. ID	OJ990730_01.9C17.C20
Gene No.	26632	Strand	-
Start	20	End	2763
Name	OJ990730_01.9C17.C20.o2.tm	Method	TBLASTX:Maize
Start	2224	End	2586
GI	none	Score	76
Exons	2224..2421, 2234..2341, 2452..2586, 2462..2536		
Seq. No.	12587	Seq. ID	OJ990730_01.9C17.C21
Gene No.	26633	Strand	+
Start	1	End	654
Name	OJ990730_01.9C17.C21.o1.np	Method	AAT/NAP
Start	1	End	654
GI	6815062	Score	79
Exons	1..37, 113..211, 279..332, 439..654		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC		

F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]

Seq. No.	12587	Seq. ID	OJ990730_01.9C17.C21
Gene No.	26633	Strand	+
Start	1	End	654
Name	OJ990730_01.9C17.C21.o1.gs	Method	GENSCAN
Start	283	End	654
GI	none	Score	.74
Exons	283..654		

Seq. No.	12588	Seq. ID	OJ990730_01.9C17.C22
Gene No.	26634	Strand	+
Start	1549	End	1800
Name	OJ990730_01.9C17.C22.o1.gp	Method	AAT/GAP
Start	1549	End	1800
GI	61605_3.R1084	Score	362
Exons	1549..1800		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	12588	Seq. ID	OJ990730_01.9C17.C22
Gene No.	26635	Strand	+
Start	2320	End	8071
Name	OJ990730_01.9C17.C22.o2.np	Method	AAT/NAP
Start	2320	End	8071
GI	6063554	Score	172
Exons	2320..2355, 5834..6109, 6377..6578, 7221..7251, 7892..8071		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	12588	Seq. ID	OJ990730_01.9C17.C22
Gene No.	26635	Strand	+
Start	2320	End	8071
Name	OJ990730_01.9C17.C22.o2.gs	Method	GENSCAN
Start	3515	End	6733
GI	none	Score	.7
Exons	3515..3667, 3898..4038, 5981..6028, 6159..6214, 6328..6733		

Seq. No.	12588	Seq. ID	OJ990730_01.9C17.C22
Gene No.	26636	Strand	-
Start	333	End	1483
Name	OJ990730_01.9C17.C22.o1.gs	Method	GENSCAN
Start	333	End	1483
GI	none	Score	.77
Exons	333..514, 590..666, 893..1367, 1445..1483		

Seq. No.	12588	Seq. ID	OJ990730_01.9C17.C22
Gene No.	26637	Strand	-
Start	2172	End	4389
Name	OJ990730_01.9C17.C22.o1.np	Method	AAT/NAP
Start	2172	End	4389
GI	6063554	Score	186
Exons	2172..2198, 2250..2414, 3617..3870, 4149..4389		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical		

protein [Oryza sativa]

Seq. No.	12588	Seq. ID	OJ990730_01.9C17.C22
Gene No.	26637	Strand	-
Start	2172	End	4389
Name	OJ990730_01.9C17.C22.o3.gp	Method	AAT/GAP
Start	4026	End	4372
GI	3061198	Score	661
Exons	4026..4372		

Seq. No.	12588	Seq. ID	OJ990730_01.9C17.C22
Gene No.	26638	Strand	-
Start	7203	End	7451
Name	OJ990730_01.9C17.C22.o4.gp	Method	AAT/GAP
Start	7203	End	7451
GI	101153_1.R1084	Score	350
Exons	7203..7451		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	12588	Seq. ID	OJ990730_01.9C17.C22
Gene No.	26639	Strand	-
Start	11322	End	13756
Name	OJ990730_01.9C17.C22.o3.np	Method	AAT/NAP
Start	11322	End	13756
GI	4378066	Score	1725
Exons	11322..13756		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	12588	Seq. ID	OJ990730_01.9C17.C22
Gene No.	26639	Strand	-
Start	11322	End	13756
Name	OJ990730_01.9C17.C22.o3.tw	Method	TBLASTX:Wheat
Start	11610	End	11909
GI	none	Score	58
Exons	11610..11699, 11631..11762, 11635..11763, 11790..11909		

Seq. No.	12588	Seq. ID	OJ990730_01.9C17.C22
Gene No.	26639	Strand	-
Start	11322	End	13756
Name	OJ990730_01.9C17.C22.o3.tm	Method	TBLASTX:Maize
Start	11628	End	11864
GI	none	Score	76
Exons	11628..11864, 11656..11733, 11761..11856		

Seq. No.	12588	Seq. ID	OJ990730_01.9C17.C22
Gene No.	26639	Strand	-
Start	11322	End	13756
Name	OJ990730_01.9C17.C22.o4.tm	Method	TBLASTX:Maize
Start	11896	End	12087
GI	none	Score	111
Exons	11896..11943, 11938..12087, 11943..12086		

Seq. No.	12588	Seq. ID	OJ990730_01.9C17.C22
Gene No.	26639	Strand	-

Start	11322	End	13756
Name	OJ990730_01.9C17.C22.o4.tw	Method	TBLASTX:Wheat
Start	12015	End	12374
GI	none	Score	171
Exons	12015..12071, 12123..12374		

Seq. No.	12588	Seq. ID	OJ990730_01.9C17.C22
Gene No.	26639	Strand	-
Start	11322	End	13756
Name	OJ990730_01.9C17.C22.o2.tm	Method	TBLASTX:Maize
Start	12135	End	12482
GI	none	Score	142
Exons	12135..12482, 12136..12384		

Seq. No.	12588	Seq. ID	OJ990730_01.9C17.C22
Gene No.	26639	Strand	-
Start	11322	End	13756
Name	OJ990730_01.9C17.C22.o2.tw	Method	TBLASTX:Wheat
Start	12678	End	13089
GI	none	Score	41
Exons	12678..13004, 12739..12882, 13003..13089, 13004..13087		

Seq. No.	12588	Seq. ID	OJ990730_01.9C17.C22
Gene No.	26639	Strand	-
Start	11322	End	13756
Name	OJ990730_01.9C17.C22.o1.tw	Method	TBLASTX:Wheat
Start	13363	End	13735
GI	none	Score	162
Exons	13363..13446, 13460..13735, 13473..13733		

Seq. No.	12588	Seq. ID	OJ990730_01.9C17.C22
Gene No.	26639	Strand	-
Start	11322	End	13756
Name	OJ990730_01.9C17.C22.o1.ts	Method	TBLASTX:Soybean
Start	13415	End	13708
GI	none	Score	91
Exons	13415..13708, 13566..13703		

Seq. No.	12588	Seq. ID	OJ990730_01.9C17.C22
Gene No.	26639	Strand	-
Start	11322	End	13756
Name	OJ990730_01.9C17.C22.o1.tm	Method	TBLASTX:Maize
Start	13460	End	13749
GI	none	Score	69
Exons	13460..13741, 13468..13749, 13469..13576, 13473..13733		

Seq. No.	12589	Seq. ID	OJ990730_01.9C17.C23
Gene No.	26640	Strand	-
Start	1	End	1429
Name	OJ990730_01.9C17.C23.o1.np	Method	AAT/NAP
Start	1	End	1065
GI	4206306	Score	516
Exons	1..1065		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	12589	Seq. ID	OJ990730_01.9C17.C23
Gene No.	26640	Strand	-

Start	1	End	1429
Name	OJ990730_01.9C17.C23.o1.gs	Method	GENSCAN
Start	44	End	1429
GI	none	Score	.68
Exons	44..205, 1163..1237, 1325..1429		

Seq. No.	12590	Seq. ID	OJ990730_03.9C10.C2
Gene No.	26641	Strand	-
Start	180	End	379
Name	OJ990730_03.9C10.C2.o1.gs	Method	GENSCAN
Start	180	End	379
GI	none	Score	.79
Exons	180..379		

Seq. No.	12591	Seq. ID	OJ990730_03.9C10.C3
Gene No.	26642	Strand	-
Start	453	End	2688
Name	OJ990730_03.9C10.C3.o1.np	Method	AAT/NAP
Start	418	End	701
GI	4680339	Score	105
Exons	418..701		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	12591	Seq. ID	OJ990730_03.9C10.C3
Gene No.	26642	Strand	-
Start	453	End	2688
Name	OJ990730_03.9C10.C3.o1.gs	Method	GENSCAN
Start	453	End	2688
GI	none	Score	.49
Exons	453..2089, 2316..2688		

Seq. No.	12592	Seq. ID	OJ990730_03.9C10.C4
Gene No.	26643	Strand	+
Start	1189	End	1570
Name	OJ990730_03.9C10.C4.o1.gp	Method	AAT/GAP
Start	1189	End	1570
GI	uC-osflcyp033a04b1	Score	627
Exons	1189..1570		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	12592	Seq. ID	OJ990730_03.9C10.C4
Gene No.	26644	Strand	+
Start	1478	End	2415
Name	OJ990730_03.9C10.C4.o1.gs	Method	GENSCAN
Start	1478	End	2415
GI	none	Score	.77
Exons	1478..1522, 2281..2415		

Seq. No.	12592	Seq. ID	OJ990730_03.9C10.C4
Gene No.	26645	Strand	+
Start	3914	End	7534
Name	OJ990730_03.9C10.C4.o2.gs	Method	GENSCAN
Start	3914	End	7534
GI	none	Score	.51
Exons	3914..3981, 5024..5157, 5180..5392, 7461..7534		

Seq. No.	12592	Seq. ID	OJ990730_03.9C10.C4
Gene No.	26646	Strand	-
Start	1122	End	6171
Name	OJ990730_03.9C10.C4.o1.np	Method	AAT/NAP
Start	1122	End	6171
GI	4680186	Score	374
Exons	1122..1322, 2161..2214, 6148..6171		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	12592	Seq. ID	OJ990730_03.9C10.C4
Gene No.	26647	Strand	-
Start	10624	End	15537
Name	OJ990730_03.9C10.C4.o2.tm	Method	TBLASTX:Maize
Start	10574	End	10963
GI	none	Score	226
Exons	10574..10609, 10616..10843, 10618..10839, 10898..10963, 10900..10962		

Seq. No.	12592	Seq. ID	OJ990730_03.9C10.C4
Gene No.	26647	Strand	-
Start	10624	End	15537
Name	OJ990730_03.9C10.C4.o3.gs	Method	GENSCAN
Start	10624	End	14003
GI	none	Score	.46
Exons	10624..11799, 11833..11925, 12070..13152, 13441..13561, 13762..14003		

Seq. No.	12592	Seq. ID	OJ990730_03.9C10.C4
Gene No.	26647	Strand	-
Start	10624	End	15537
Name	OJ990730_03.9C10.C4.o2.ts	Method	TBLASTX:Soybean
Start	10720	End	11308
GI	none	Score	63
Exons	10720..10836, 10942..11304, 11027..11146, 11201..11308		

Seq. No.	12592	Seq. ID	OJ990730_03.9C10.C4
Gene No.	26647	Strand	-
Start	10624	End	15537
Name	OJ990730_03.9C10.C4.o2.np	Method	AAT/NAP
Start	10795	End	15462
GI	6815097	Score	3367
Exons	10795..11560, 11702..13365, 13480..14096, 14601..15462		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	12592	Seq. ID	OJ990730_03.9C10.C4
Gene No.	26647	Strand	-
Start	10624	End	15537
Name	OJ990730_03.9C10.C4.o2.tw	Method	TBLASTX:Wheat
Start	10948	End	11196
GI	none	Score	77
Exons	10948..11196, 10970..11161		

Seq. No.	12592	Seq. ID	OJ990730_03.9C10.C4
Gene No.	26647	Strand	-
Start	10624	End	15537
Name	OJ990730_03.9C10.C4.o1.tm	Method	TBLASTX:Maize

Start	10963	End	11286
GI	none	Score	76
Exons	10963..11154, 10963..11286, 10964..11275		

Seq. No.	12592	Seq. ID	OJ990730_03.9C10.C4
Gene No.	26647	Strand	-
Start	10624	End	15537
Name	OJ990730_03.9C10.C4.o3.tm	Method	TBLASTX:Maize
Start	11638	End	12072
GI	none	Score	124
Exons	11638..11808, 11848..12072		

Seq. No.	12592	Seq. ID	OJ990730_03.9C10.C4
Gene No.	26647	Strand	-
Start	10624	End	15537
Name	OJ990730_03.9C10.C4.o1.ts	Method	TBLASTX:Soybean
Start	11729	End	12174
GI	5509260	Score	80
Exons	11729..11809, 11737..11808, 11836..11922, 11968..12171, 11989..12174		
GI Descrip.	-		

Seq. No.	12592	Seq. ID	OJ990730_03.9C10.C4
Gene No.	26647	Strand	-
Start	10624	End	15537
Name	OJ990730_03.9C10.C4.o1.tw	Method	TBLASTX:Wheat
Start	11743	End	12093
GI	none	Score	81
Exons	11743..11808, 11842..12093, 11968..12087		

Seq. No.	12592	Seq. ID	OJ990730_03.9C10.C4
Gene No.	26647	Strand	-
Start	10624	End	15537
Name	OJ990730_03.9C10.C4.o4.gs	Method	GENSCAN
Start	14463	End	15537
GI	none	Score	.74
Exons	14463..15011, 15067..15537		

Seq. No.	12592	Seq. ID	OJ990730_03.9C10.C4
Gene No.	26647	Strand	-
Start	10624	End	15537
Name	OJ990730_03.9C10.C4.o1.tc	Method	TBLASTX:Cress
Start	15124	End	15444
GI	none	Score	190
Exons	15124..15444		

Seq. No.	12593	Seq. ID	OJ990730_03.9C10.C5
Gene No.	26648	Strand	+
Start	1	End	10446
Name	OJ990730_03.9C10.C5.o2.np	Method	AAT/NAP
Start	1	End	10446
GI	4680186	Score	220
Exons	1..32, 10224..10446		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	12593	Seq. ID	OJ990730_03.9C10.C5
Gene No.	26648	Strand	+

Start	1	End	10446
Name	OJ990730_03.9C10.C5.o1.gs	Method	GENSCAN
Start	294	End	883
GI	none	Score	.94
Exons	294..493, 498..760, 810..883		

Seq. No.	12593	Seq. ID	OJ990730_03.9C10.C5
Gene No.	26648	Strand	+
Start	1	End	10446
Name	OJ990730_03.9C10.C5.o1.np	Method	AAT/NAP
Start	3414	End	6736
GI	6721512	Score	77
Exons	3414..3485, 3835..3974, 5009..5120, 5148..5223, 6717..6736		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	12593	Seq. ID	OJ990730_03.9C10.C5
Gene No.	26648	Strand	+
Start	1	End	10446
Name	OJ990730_03.9C10.C5.o1.gp	Method	AAT/GAP
Start	4838	End	4889
GI	3759960	Score	61
Exons	4838..4889		

Seq. No.	12593	Seq. ID	OJ990730_03.9C10.C5
Gene No.	26648	Strand	+
Start	1	End	10446
Name	OJ990730_03.9C10.C5.o3.gs	Method	GENSCAN
Start	6478	End	6782
GI	none	Score	.65
Exons	6478..6514, 6574..6782		

Seq. No.	12593	Seq. ID	OJ990730_03.9C10.C5
Gene No.	26649	Strand	-
Start	3427	End	5500
Name	OJ990730_03.9C10.C5.o2.gs	Method	GENSCAN
Start	3427	End	5500
GI	none	Score	.77
Exons	3427..3596, 3733..3830, 5202..5500		

Seq. No.	12593	Seq. ID	OJ990730_03.9C10.C5
Gene No.	26650	Strand	-
Start	7080	End	16163
Name	OJ990730_03.9C10.C5.o4.gs	Method	GENSCAN
Start	7080	End	11300
GI	none	Score	.58
Exons	7080..7265, 7343..7435, 7518..7596, 7682..7792, 7940..8125, 8456..8558, 8784..8918, 10639..10709, 10801..11300		

Seq. No.	12593	Seq. ID	OJ990730_03.9C10.C5
Gene No.	26650	Strand	-
Start	7080	End	16163
Name	OJ990730_03.9C10.C5.o3.np	Method	AAT/NAP
Start	8556	End	11125
GI	4680204	Score	72
Exons	8556..8599, 10778..11125		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	12593	Seq. ID	OJ990730_03.9C10.C5
Gene No.	26650	Strand	-
Start	7080	End	16163
Name	OJ990730_03.9C10.C5.o4.np	Method	AAT/NAP
Start	9039	End	16163
GI	729704	Score	76
Exons	9039..9176, 14380..14448, 14475..14557, 15549..15623, 16056..16163		
GI Descrip.	DNA-BINDING PROTEIN HEXBP (HEXAMER-BINDING PROTEIN) gi|1078700|pir||A47156 hexamer-binding protein HEXBP - Leishmania major gi|159342 (M94390) HEXBP DNA binding protein [Leishmania major]		

Seq. No.	12593	Seq. ID	OJ990730_03.9C10.C5
Gene No.	26650	Strand	-
Start	7080	End	16163
Name	OJ990730_03.9C10.C5.o2.gp	Method	AAT/GAP
Start	9992	End	10375
GI	uC-osflcyp033a04b1	Score	669
Exons	9992..10375		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	12594	Seq. ID	OJ990730_03.9C10.C6
Gene No.	26651	Strand	+
Start	240	End	1239
Name	OJ990730_03.9C10.C6.o1.gs	Method	GENSCAN
Start	240	End	1239
GI	none	Score	.91
Exons	240..373, 404..500, 1054..1239		

Seq. No.	12594	Seq. ID	OJ990730_03.9C10.C6
Gene No.	26652	Strand	+
Start	3313	End	6347
Name	OJ990730_03.9C10.C6.o1.np	Method	AAT/NAP
Start	3237	End	6347
GI	5922620	Score	687
Exons	3237..3287, 3325..3447, 3975..4012, 4344..4506, 4554..4729, 4766..4849, 6218..6347		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	12594	Seq. ID	OJ990730_03.9C10.C6
Gene No.	26652	Strand	+
Start	3313	End	6347
Name	OJ990730_03.9C10.C6.o2.gs	Method	GENSCAN
Start	3313	End	4667
GI	none	Score	.58
Exons	3313..3426, 4306..4591, 4624..4667		

Seq. No.	12594	Seq. ID	OJ990730_03.9C10.C6
Gene No.	26653	Strand	-
Start	5602	End	9241
Name	OJ990730_03.9C10.C6.o3.gs	Method	GENSCAN

Start	5602	End	9241
GI	none	Score	.54
Exons	5602..5615, 5750..5865, 6318..6403, 7128..7190, 7275..7520, 8151..8320, 8476..8623, 9239..9241		

Seq. No.	12594	Seq. ID	OJ990730_03.9C10.C6
Gene No.	26654	Strand	-
Start	9988	End	13270
Name	OJ990730_03.9C10.C6.o1.tw	Method	TBLASTX:Wheat
Start	9430	End	10632
GI	none	Score	64
Exons	9430..9492, 9499..9600, 9506..9598, 9616..9720, 9617..9721, 9709..9864, 9725..9898, 9877..10632, 10103..10387		

Seq. No.	12594	Seq. ID	OJ990730_03.9C10.C6
Gene No.	26654	Strand	-
Start	9988	End	13270
Name	OJ990730_03.9C10.C6.o2.np	Method	AAT/NAP
Start	9499	End	13270
GI	4680203	Score	1387
Exons	9499..10242, 10519..10746, 10906..11010, 11080..12487, 13175..13270		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	12594	Seq. ID	OJ990730_03.9C10.C6
Gene No.	26654	Strand	-
Start	9988	End	13270
Name	OJ990730_03.9C10.C6.o3.tm	Method	TBLASTX:Maize
Start	9730	End	10023
GI	none	Score	152
Exons	9730..9849, 9853..10023		

Seq. No.	12594	Seq. ID	OJ990730_03.9C10.C6
Gene No.	26654	Strand	-
Start	9988	End	13270
Name	OJ990730_03.9C10.C6.o1.tc	Method	TBLASTX:Cress
Start	9919	End	10341
GI	none	Score	110
Exons	9919..10341, 10103..10333		

Seq. No.	12594	Seq. ID	OJ990730_03.9C10.C6
Gene No.	26654	Strand	-
Start	9988	End	13270
Name	OJ990730_03.9C10.C6.o4.gs	Method	GENSCAN
Start	9988	End	12551
GI	none	Score	.64
Exons	9988..11129, 11309..11498, 11622..11958, 12132..12222, 12295..12551		

Seq. No.	12594	Seq. ID	OJ990730_03.9C10.C6
Gene No.	26654	Strand	-
Start	9988	End	13270
Name	OJ990730_03.9C10.C6.o1.tm	Method	TBLASTX:Maize
Start	10273	End	10588
GI	none	Score	272
Exons	10273..10587, 10277..10588		

Seq. No.	12594	Seq. ID	OJ990730_03.9C10.C6
Gene No.	26654	Strand	-
Start	9988	End	13270
Name	OJ990730_03.9C10.C6.o2.tm	Method	TBLASTX:Maize
Start	11319	End	11669
GI	none	Score	95
Exons	11319..11420, 11427..11669, 11428..11667		

Seq. No.	12594	Seq. ID	OJ990730_03.9C10.C6
Gene No.	26654	Strand	-
Start	9988	End	13270
Name	OJ990730_03.9C10.C6.o2.tw	Method	TBLASTX:Wheat
Start	11427	End	11726
GI	none	Score	158
Exons	11427..11726, 11428..11715, 11454..11720		

Seq. No.	12594	Seq. ID	OJ990730_03.9C10.C6
Gene No.	26654	Strand	-
Start	9988	End	13270
Name	OJ990730_03.9C10.C6.o2.tc	Method	TBLASTX:Cress
Start	11514	End	11867
GI	none	Score	240
Exons	11514..11867		

Seq. No.	12594	Seq. ID	OJ990730_03.9C10.C6
Gene No.	26654	Strand	-
Start	9988	End	13270
Name	OJ990730_03.9C10.C6.o1.ts	Method	TBLASTX:Soybean
Start	11595	End	12021
GI	none	Score	116
Exons	11595..11834, 11613..11834, 11904..12020, 11920..12021		

Seq. No.	12594	Seq. ID	OJ990730_03.9C10.C6
Gene No.	26654	Strand	-
Start	9988	End	13270
Name	OJ990730_03.9C10.C6.o3.tw	Method	TBLASTX:Wheat
Start	11729	End	12119
GI	none	Score	73
Exons	11729..11830, 11730..11849, 11736..11855, 11884..12054, 11899..12033, 11904..12119		

Seq. No.	12595	Seq. ID	OJ990730_03.9C10.C7
Gene No.	26655	Strand	+
Start	1850	End	10074
Name	OJ990730_03.9C10.C7.o1.gs	Method	GENSCAN
Start	1850	End	10074
GI	none	Score	.43
Exons	1850..2121, 5213..5328, 5870..5950, 6301..6389, 7067..8585, 8591..8794, 8850..8910, 9161..9247, 9528..9610, 9703..9773, 9883..10074		

Seq. No.	12595	Seq. ID	OJ990730_03.9C10.C7
Gene No.	26656	Strand	+
Start	12848	End	13110
Name	OJ990730_03.9C10.C7.o2.gp	Method	AAT/GAP
Start	12848	End	13110
GI	28898_2.R1084	Score	344

Exons	12848..12954, 12976..13110		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 1.0e-69 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	12595	Seq. ID	OJ990730_03.9C10.C7
Gene No.	26657	Strand	-
Start	5923	End	6060
Name	OJ990730_03.9C10.C7.o1.gp	Method	AAT/GAP
Start	5923	End	6060
GI	21474_1.R1084	Score	203
Exons	5923..6060		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	12595	Seq. ID	OJ990730_03.9C10.C7
Gene No.	26658	Strand	-
Start	10448	End	10759
Name	OJ990730_03.9C10.C7.o2.gs	Method	GENSCAN
Start	10448	End	10759
GI	none	Score	.84
Exons	10448..10759		

Seq. No.	12595	Seq. ID	OJ990730_03.9C10.C7
Gene No.	26659	Strand	-
Start	17512	End	20409
Name	OJ990730_03.9C10.C7.o1.np	Method	AAT/NAP
Start	17512	End	20408
GI	6016874	Score	2133
Exons	17512..17745, 18239..18578, 18690..18869, 19263..19422, 19813..20045, 20110..20247, 20330..20408		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	12595	Seq. ID	OJ990730_03.9C10.C7
Gene No.	26659	Strand	-
Start	17512	End	20409
Name	OJ990730_03.9C10.C7.o4.gs	Method	GENSCAN
Start	18235	End	20409
GI	none	Score	.48
Exons	18235..18869, 19263..19422, 19813..20045, 20110..20409		

Seq. No.	12595	Seq. ID	OJ990730_03.9C10.C7
Gene No.	26659	Strand	-
Start	17512	End	20409
Name	OJ990730_03.9C10.C7.o2.tm	Method	TBLASTX:Maize
Start	18301	End	18544
GI	none	Score	97
Exons	18301..18534, 18386..18544		

Seq. No.	12595	Seq. ID	OJ990730_03.9C10.C7
Gene No.	26659	Strand	-
Start	17512	End	20409
Name	OJ990730_03.9C10.C7.o4.tm	Method	TBLASTX:Maize
Start	18620	End	19002
GI	none	Score	137
Exons	18620..18991, 18721..19002		

Seq. No.	12595	Seq. ID	OJ990730_03.9C10.C7
Gene No.	26659	Strand	-
Start	17512	End	20409
Name	OJ990730_03.9C10.C7.o3.tm	Method	TBLASTX:Maize
Start	19207	End	19521
GI	none	Score	108
Exons	19207..19434, 19208..19426, 19447..19521		

Seq. No.	12595	Seq. ID	OJ990730_03.9C10.C7
Gene No.	26659	Strand	-
Start	17512	End	20409
Name	OJ990730_03.9C10.C7.o3.gp	Method	AAT/GAP
Start	19212	End	19720
GI	uC-osflcyp110c07b1	Score	966
Exons	19212..19720		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	12595	Seq. ID	OJ990730_03.9C10.C7
Gene No.	26659	Strand	-
Start	17512	End	20409
Name	OJ990730_03.9C10.C7.o1.tm	Method	TBLASTX:Maize
Start	19615	End	20061
GI	none	Score	110
Exons	19615..19653, 19648..19704, 19741..19989, 19781..19990, 19975..20061		

Seq. No.	12596	Seq. ID	OJ990730_03.9C10.C8
Gene No.	26660	Strand	+
Start	2508	End	5917
Name	OJ990730_03.9C10.C8.o1.gs	Method	GENSCAN
Start	2508	End	5917
GI	none	Score	.64
Exons	2508..2694, 3157..3205, 3582..3826, 4019..4085, 4170..4209, 4345..4477, 5102..5173, 5264..5344, 5774..5917		

Seq. No.	12596	Seq. ID	OJ990730_03.9C10.C8
Gene No.	26661	Strand	+
Start	10759	End	14301
Name	OJ990730_03.9C10.C8.o3.gs	Method	GENSCAN
Start	10759	End	14301
GI	none	Score	.82
Exons	10759..10783, 10841..11151, 11879..11960, 12163..12293, 13984..14301		

Seq. No.	12596	Seq. ID	OJ990730_03.9C10.C8
Gene No.	26662	Strand	-
Start	6978	End	10447
Name	OJ990730_03.9C10.C8.o2.gs	Method	GENSCAN
Start	6978	End	10447
GI	none	Score	.58
Exons	6978..7169, 7234..7673, 8296..10447		

Seq. No.	12596	Seq. ID	OJ990730_03.9C10.C8
Gene No.	26662	Strand	-

Start	6978	End	10447
Name	OJ990730_03.9C10.C8.o1.np	Method	AAT/NAP
Start	8180	End	8465
GI	4680339	Score	86
Exons	8180..8465		
GI Descrip.	(AF128457) hypothetical protein [Oryza sativa subsp. indica]		

Seq. No.	12596	Seq. ID	OJ990730_03.9C10.C8
Gene No.	26663	Strand	-
Start	15743	End	17732
Name	OJ990730_03.9C10.C8.o4.gs	Method	GENSCAN
Start	15743	End	17732
GI	none	Score	.6
Exons	15743..16018, 17241..17422, 17553..17732		

Seq. No.	12596	Seq. ID	OJ990730_03.9C10.C8
Gene No.	26663	Strand	-
Start	15743	End	17732
Name	OJ990730_03.9C10.C8.o2.np	Method	AAT/NAP
Start	15758	End	17384
GI	2191172	Score	116
Exons	15758..15841, 15887..16018, 17324..17384		
GI Descrip.	(AF007270) contains similarity to GATA-type zinc fingers (PS:PS00344) [Arabidopsis thaliana]		

Seq. No.	12596	Seq. ID	OJ990730_03.9C10.C8
Gene No.	26663	Strand	-
Start	15743	End	17732
Name	OJ990730_03.9C10.C8.o1.gp	Method	AAT/GAP
Start	15779	End	17653
GI	2431491	Score	690
Exons	15779..16018, 17324..17422, 17553..17653		

Seq. No.	12597	Seq. ID	OJ990730_03.9C10.C9
Gene No.	26664	Strand	-
Start	164	End	6613
Name	OJ990730_03.9C10.C9.o1.gs	Method	GENSCAN
Start	164	End	6524
GI	none	Score	.51
Exons	164..315, 956..1006, 2504..2657, 3994..4414, 4828..4959, 6064..6168, 6446..6524		

Seq. No.	12597	Seq. ID	OJ990730_03.9C10.C9
Gene No.	26664	Strand	-
Start	164	End	6613
Name	OJ990730_03.9C10.C9.o1.np	Method	AAT/NAP
Start	4058	End	6613
GI	6682927	Score	642
Exons	4058..4430, 4528..4655, 4828..4959, 6446..6613		
GI Descrip.	(AB024311) importin alpha 1b [Oryza sativa]		

Seq. No.	12597	Seq. ID	OJ990730_03.9C10.C9
Gene No.	26664	Strand	-
Start	164	End	6613
Name	OJ990730_03.9C10.C9.o1.tc	Method	TBLASTX:Cress
Start	4112	End	6524
GI	none	Score	82

Exons	4112..4291, 4155..4265, 4298..4432, 4299..4430, 4524..4652, 4546..4659, 4548..4616, 4560..4652, 4828..4929, 4828..4938, 4838..4939, 6446..6523, 6450..6524, 6465..6524		
Seq. No.	12597	Seq. ID	OJ990730_03.9C10.C9
Gene No.	26664	Strand	-
Start	164	End	6613
Name	OJ990730_03.9C10.C9.o1.ts	Method	TBLASTX:Soybean
Start	4151	End	6523
GI	none	Score	129
Exons	4151..4297, 4151..4291, 4155..4319, 4159..4293, 4298..4444, 4299..4427, 4524..4655, 4546..4656, 4547..4657, 4548..4670, 4811..4942, 4825..4956, 4826..4897, 4828..4956, 6443..6523, 6444..6521		
Seq. No.	12597	Seq. ID	OJ990730_03.9C10.C9
Gene No.	26664	Strand	-
Start	164	End	6613
Name	OJ990730_03.9C10.C9.o1.tw	Method	TBLASTX:Wheat
Start	4151	End	4921
GI	none	Score	103
Exons	4151..4270, 4154..4285, 4293..4430, 4295..4432, 4524..4655, 4546..4656, 4548..4628, 4571..4675, 4826..4912, 4828..4920, 4838..4921, 4846..4914		
Seq. No.	12597	Seq. ID	OJ990730_03.9C10.C9
Gene No.	26664	Strand	-
Start	164	End	6613
Name	OJ990730_03.9C10.C9.o1.tm	Method	TBLASTX:Maize
Start	4154	End	6523
GI	none	Score	232
Exons	4154..4432, 4155..4430, 4351..4431, 4524..4655, 4543..4656, 4820..4939, 4825..4929, 4826..4912, 4827..4940, 4828..4941, 4828..4941, 4828..4914, 6446..6523, 6450..6521, 6451..6522		
Seq. No.	12598	Seq. ID	OJ990730_03.9C10.C10
Gene No.	26665	Strand	-
Start	71	End	1795
Name	OJ990730_03.9C10.C10.o1.np	Method	AAT/NAP
Start	71	End	1795
GI	2950210	Score	217
Exons	71..217, 438..529, 1774..1795		
GI Descrip.	(Y14615) Importin alpha-like protein [Arabidopsis thaliana]		
Seq. No.	12598	Seq. ID	OJ990730_03.9C10.C10
Gene No.	26665	Strand	-
Start	71	End	1795
Name	OJ990730_03.9C10.C10.o1.tc	Method	TBLASTX:Cress
Start	72	End	530
GI	none	Score	150
Exons	72..224, 83..220, 84..230, 116..214, 127..231, 408..530, 442..522		
Seq. No.	12598	Seq. ID	OJ990730_03.9C10.C10
Gene No.	26665	Strand	-
Start	71	End	1795
Name	OJ990730_03.9C10.C10.o1.ts	Method	TBLASTX:Soybean

Start	72	End	530
GI	none	Score	158
Exons	72..251, 83..220, 83..214, 84..251, 95..214, 408..530, 448..522		

Seq. No.	12598	Seq. ID	OJ990730_03.9C10.C10
Gene No.	26665	Strand	-
Start	71	End	1795
Name	OJ990730_03.9C10.C10.o1.tm	Method	TBLASTX:Maize
Start	83	End	530
GI	none	Score	156
Exons	83..220, 83..214, 84..233, 95..214, 120..233, 408..530, 442..522		

Seq. No.	12599	Seq. ID	OJ990730_03.9C10.C11
Gene No.	26666	Strand	+
Start	951	End	1210
Name	OJ990730_03.9C10.C11.o1.gp	Method	AAT/GAP
Start	951	End	1210
GI	LIB3431-010-P1-N1-F11	Score	449
Exons	951..1210		
GI Descrip.	'287403/dbj|D10838|RICSBE1 1.0e-111 Rice gene for starch branching enzyme'		

Seq. No.	12600	Seq. ID	OJ990730_03.9C10.C12
Gene No.	26667	Strand	+
Start	6397	End	6597
Name	OJ990730_03.9C10.C12.o3.gs	Method	GENSCAN
Start	6397	End	6597
GI	none	Score	.87
Exons	6397..6597		

Seq. No.	12600	Seq. ID	OJ990730_03.9C10.C12
Gene No.	26668	Strand	+
Start	15377	End	16427
Name	OJ990730_03.9C10.C12.o6.gs	Method	GENSCAN
Start	15377	End	16427
GI	none	Score	.88
Exons	15377..15519, 16073..16427		

Seq. No.	12600	Seq. ID	OJ990730_03.9C10.C12
Gene No.	26669	Strand	-
Start	1808	End	3985
Name	OJ990730_03.9C10.C12.o2.gs	Method	GENSCAN
Start	1808	End	3985
GI	none	Score	.65
Exons	1808..3985		

Seq. No.	12600	Seq. ID	OJ990730_03.9C10.C12
Gene No.	26670	Strand	-
Start	10744	End	15189
Name	OJ990730_03.9C10.C12.o5.gs	Method	GENSCAN
Start	10744	End	15096
GI	none	Score	.57
Exons	10744..10888, 11081..11226, 11706..11823, 12016..12409, 12533..13250, 13267..14014, 14747..15096		

Seq. No.	12600	Seq. ID	OJ990730_03.9C10.C12
Gene No.	26670	Strand	-

Start	10744	End	15189
Name	OJ990730_03.9C10.C12.o1.np	Method	AAT/NAP
Start	12015	End	15189
GI	6539553	Score	4384
Exons	12015..14076, 14102..15189		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	12600	Seq. ID	OJ990730_03.9C10.C12
Gene No.	26671	Strand	-
Start	16845	End	21474
Name	OJ990730_03.9C10.C12.o2.tw	Method	TBLASTX:Wheat
Start	12151	End	12627
GI	none	Score	333
Exons	12151..12537, 12189..12536, 12546..12626, 12552..12626, 12556..12627		

Seq. No.	12600	Seq. ID	OJ990730_03.9C10.C12
Gene No.	26671	Strand	-
Start	16845	End	21474
Name	OJ990730_03.9C10.C12.o5.ts	Method	TBLASTX:Soybean
Start	12279	End	12620
GI	none	Score	74
Exons	12279..12488, 12358..12480, 12501..12620, 12514..12594		

Seq. No.	12600	Seq. ID	OJ990730_03.9C10.C12
Gene No.	26671	Strand	-
Start	16845	End	21474
Name	OJ990730_03.9C10.C12.o4.tm	Method	TBLASTX:Maize
Start	12483	End	12815
GI	none	Score	187
Exons	12483..12815, 12484..12807, 12498..12815		

Seq. No.	12600	Seq. ID	OJ990730_03.9C10.C12
Gene No.	26671	Strand	-
Start	16845	End	21474
Name	OJ990730_03.9C10.C12.o2.ts	Method	TBLASTX:Soybean
Start	12633	End	12978
GI	none	Score	100
Exons	12633..12977, 12778..12978		

Seq. No.	12600	Seq. ID	OJ990730_03.9C10.C12
Gene No.	26671	Strand	-
Start	16845	End	21474
Name	OJ990730_03.9C10.C12.o3.tw	Method	TBLASTX:Wheat
Start	12831	End	13377
GI	none	Score	149
Exons	12831..13037, 13032..13214, 13201..13377		

Seq. No.	12600	Seq. ID	OJ990730_03.9C10.C12
Gene No.	26671	Strand	-
Start	16845	End	21474
Name	OJ990730_03.9C10.C12.o7.tm	Method	TBLASTX:Maize
Start	12843	End	13199
GI	none	Score	233

Exons	12843..13199		
Seq. No.	12600	Seq. ID	OJ990730_03.9C10.C12
Gene No.	26671	Strand	-
Start	16845	End	21474
Name	OJ990730_03.9C10.C12.o3.ts	Method	TBLASTX:Soybean
Start	13107	End	13500
GI	5752663	Score	65
Exons	13107..13214, 13201..13500, 13334..13420		
GI Descrip.	-		
Seq. No.	12600	Seq. ID	OJ990730_03.9C10.C12
Gene No.	26671	Strand	-
Start	16845	End	21474
Name	OJ990730_03.9C10.C12.o2.tc	Method	TBLASTX:Cress
Start	13158	End	13419
GI	none	Score	83
Exons	13158..13214, 13201..13419, 13247..13417		
Seq. No.	12600	Seq. ID	OJ990730_03.9C10.C12
Gene No.	26671	Strand	-
Start	16845	End	21474
Name	OJ990730_03.9C10.C12.o6.tm	Method	TBLASTX:Maize
Start	13201	End	13507
GI	none	Score	46
Exons	13201..13506, 13211..13294, 13328..13507		
Seq. No.	12600	Seq. ID	OJ990730_03.9C10.C12
Gene No.	26671	Strand	-
Start	16845	End	21474
Name	OJ990730_03.9C10.C12.o1.tw	Method	TBLASTX:Wheat
Start	13432	End	14200
GI	none	Score	214
Exons	13432..13752, 13432..13752, 13750..14106, 13751..14110, 14096..14200, 14097..14192, 14110..14193		
Seq. No.	12600	Seq. ID	OJ990730_03.9C10.C12
Gene No.	26671	Strand	-
Start	16845	End	21474
Name	OJ990730_03.9C10.C12.o4.ts	Method	TBLASTX:Soybean
Start	13825	End	14248
GI	none	Score	38
Exons	13825..13998, 13952..13990, 13999..14100, 14014..14088, 14094..14240, 14096..14248		
Seq. No.	12600	Seq. ID	OJ990730_03.9C10.C12
Gene No.	26671	Strand	-
Start	16845	End	21474
Name	OJ990730_03.9C10.C12.o5.tm	Method	TBLASTX:Maize
Start	13825	End	14344
GI	none	Score	68
Exons	13825..13992, 14011..14100, 14105..14344, 14106..14261		
Seq. No.	12600	Seq. ID	OJ990730_03.9C10.C12
Gene No.	26671	Strand	-
Start	16845	End	21474
Name	OJ990730_03.9C10.C12.o5.tw	Method	TBLASTX:Wheat

Start	14201	End	14395
GI	none	Score	189
Exons	14201..14395, 14201..14392		

Seq. No.	12600	Seq. ID	OJ990730_03.9C10.C12
Gene No.	26671	Strand	-
Start	16845	End	21474
Name	OJ990730_03.9C10.C12.o6.ts	Method	TBLASTX:Soybean
Start	14258	End	14644
GI	none	Score	82
Exons	14258..14506, 14489..14644		

Seq. No.	12600	Seq. ID	OJ990730_03.9C10.C12
Gene No.	26671	Strand	-
Start	16845	End	21474
Name	OJ990730_03.9C10.C12.o3.tm	Method	TBLASTX:Maize
Start	14747	End	15060
GI	none	Score	279
Exons	14747..15052, 14749..15060		

Seq. No.	12600	Seq. ID	OJ990730_03.9C10.C12
Gene No.	26671	Strand	-
Start	16845	End	21474
Name	OJ990730_03.9C10.C12.o4.tw	Method	TBLASTX:Wheat
Start	14808	End	15195
GI	none	Score	246
Exons	14808..14960, 14809..15195, 14810..15184		

Seq. No.	12600	Seq. ID	OJ990730_03.9C10.C12
Gene No.	26671	Strand	-
Start	16845	End	21474
Name	OJ990730_03.9C10.C12.o7.gs	Method	GENSCAN
Start	16845	End	21474
GI	none	Score	.78
Exons	16845..16910, 16976..17377, 17388..18913, 19459..19560, 21405..21474		

Seq. No.	12600	Seq. ID	OJ990730_03.9C10.C12
Gene No.	26671	Strand	-
Start	16845	End	21474
Name	OJ990730_03.9C10.C12.o2.np	Method	AAT/NAP
Start	16937	End	19341
GI	6598797	Score	1479
Exons	16937..18440, 18567..18858, 19276..19341		
GI Descrip.	(AF024504) putative acyl-CoA synthetase [Arabidopsis thaliana]		

Seq. No.	12600	Seq. ID	OJ990730_03.9C10.C12
Gene No.	26671	Strand	-
Start	16845	End	21474
Name	OJ990730_03.9C10.C12.o1.tc	Method	TBLASTX:Cress
Start	16946	End	18057
GI	none	Score	39
Exons	16946..17023, 16950..17006, 17024..17095, 17037..17096, 17126..17185, 17127..17189, 17186..17674, 17187..17330, 17388..17675, 17742..18050, 17743..18057		

Seq. No.	12600	Seq. ID	OJ990730_03.9C10.C12

Gene No.	26671	Strand	-
Start	16845	End	21474
Name	OJ990730_03.9C10.C12.o2.tm	Method	TBLASTX:Maize
Start	16946	End	17500
GI	none	Score	191
Exons	16946..17023, 17024..17098, 17064..17333, 17126..17350, 17216..17344, 17348..17500, 17385..17489		

Seq. No.	12600	Seq. ID	OJ990730_03.9C10.C12
Gene No.	26671	Strand	-
Start	16845	End	21474
Name	OJ990730_03.9C10.C12.o7.ts	Method	TBLASTX:Soybean
Start	16946	End	17197
GI	none	Score	97
Exons	16946..17026, 17012..17089, 17126..17194, 17129..17197		

Seq. No.	12600	Seq. ID	OJ990730_03.9C10.C12
Gene No.	26671	Strand	-
Start	16845	End	21474
Name	OJ990730_03.9C10.C12.o1.ts	Method	TBLASTX:Soybean
Start	17198	End	18798
GI	none	Score	102
Exons	17198..17674, 17199..17330, 17385..17675, 17742..18095, 17752..18072, 17829..18092, 18186..18440, 18198..18440, 18286..18441, 18675..18785, 18684..18791, 18709..18798		

Seq. No.	12600	Seq. ID	OJ990730_03.9C10.C12
Gene No.	26671	Strand	-
Start	16845	End	21474
Name	OJ990730_03.9C10.C12.o1.gp	Method	AAT/GAP
Start	17223	End	17703
GI	58532_1.R1084	Score	826
Exons	17223..17703		
GI Descrip.	'2213590 7.0e-14 (AC000348) T7N9.10 [Arabidopsis thaliana]'		

Seq. No.	12600	Seq. ID	OJ990730_03.9C10.C12
Gene No.	26671	Strand	-
Start	16845	End	21474
Name	OJ990730_03.9C10.C12.o6.tw	Method	TBLASTX:Wheat
Start	17465	End	17674
GI	none	Score	100
Exons	17465..17674, 17466..17633		

Seq. No.	12600	Seq. ID	OJ990730_03.9C10.C12
Gene No.	26671	Strand	-
Start	16845	End	21474
Name	OJ990730_03.9C10.C12.o1.tm	Method	TBLASTX:Maize
Start	17567	End	18761
GI	none	Score	88
Exons	17567..17674, 17568..17675, 17742..18092, 17755..18093, 18237..18440, 18286..18441, 18684..18761		

Seq. No.	12600	Seq. ID	OJ990730_03.9C10.C12
Gene No.	26671	Strand	-
Start	16845	End	21474
Name	OJ990730_03.9C10.C12.o2.gp	Method	AAT/GAP
Start	18215	End	18692

GI	2309781	Score	604
Exons	18215..18440, 18567..18692		
GI Descrip.	4926866/gb|AAD32946.1|AC007509_1 1.0e-10 (AC007509) putative amp-binding protein [Arabidopsis thaliana]		

Seq. No.	12601	Seq. ID	OJ990730_03.9C10.C13
Gene No.	26672	Strand	+
Start	1792	End	1991
Name	OJ990730_03.9C10.C13.o1.np	Method	AAT/NAP
Start	1792	End	1991
GI	6498436	Score	59
Exons	1792..1991		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	12601	Seq. ID	OJ990730_03.9C10.C13
Gene No.	26673	Strand	+
Start	4683	End	5263
Name	OJ990730_03.9C10.C13.o1.gp	Method	AAT/GAP
Start	4683	End	5263
GI	5038972	Score	867
Exons	4683..4869, 4988..5263		

Seq. No.	12602	Seq. ID	OJ990730_03.9C10.C14
Gene No.	26674	Strand	-
Start	483	End	2687
Name	OJ990730_03.9C10.C14.o2.tm	Method	TBLASTX:Maize
Start	439	End	852
GI	none	Score	147
Exons	439..501, 510..590, 591..827, 592..807, 637..852		

Seq. No.	12602	Seq. ID	OJ990730_03.9C10.C14
Gene No.	26674	Strand	-
Start	483	End	2687
Name	OJ990730_03.9C10.C14.o1.gs	Method	GENSCAN
Start	483	End	2311
GI	none	Score	.67
Exons	483..828, 1601..1734, 2057..2311		

Seq. No.	12602	Seq. ID	OJ990730_03.9C10.C14
Gene No.	26674	Strand	-
Start	483	End	2687
Name	OJ990730_03.9C10.C14.o1.tw	Method	TBLASTX:Wheat
Start	636	End	1001
GI	none	Score	76
Exons	636..1001, 649..753, 865..966		

Seq. No.	12602	Seq. ID	OJ990730_03.9C10.C14
Gene No.	26674	Strand	-
Start	483	End	2687
Name	OJ990730_03.9C10.C14.o2.ts	Method	TBLASTX:Soybean
Start	636	End	962
GI	none	Score	77
Exons	636..806, 649..744, 795..962, 796..897		

Seq. No.	12602	Seq. ID	OJ990730_03.9C10.C14
Gene No.	26674	Strand	-
Start	483	End	2687

Name	OJ990730_03.9C10.C14.o1.tc	Method	TBLASTX:Cress
Start	1698	End	2317
GI	none	Score	61
Exons	1698..1871, 1701..1871, 1723..1872, 1857..1958, 1871..1945, 1876..1956, 1879..2025, 2057..2152, 2058..2312, 2132..2317, 2210..2311		

Seq. No.	12602	Seq. ID	OJ990730_03.9C10.C14
Gene No.	26674	Strand	-
Start	483	End	2687
Name	OJ990730_03.9C10.C14.o1.ts	Method	TBLASTX:Soybean
Start	1701	End	2312
GI	none	Score	60
Exons	1701..1865, 1707..1751, 1812..1958, 1846..1956, 1871..1957, 2057..2311, 2073..2312, 2076..2312		

Seq. No.	12602	Seq. ID	OJ990730_03.9C10.C14
Gene No.	26674	Strand	-
Start	483	End	2687
Name	OJ990730_03.9C10.C14.o2.np	Method	AAT/NAP
Start	1701	End	2687
GI	1514643	Score	577
Exons	1701..1958, 2057..2687		
GI Descrip.	(Z70524) PDR5-like ABC transporter [Spirodela polyrrhiza]		

Seq. No.	12602	Seq. ID	OJ990730_03.9C10.C14
Gene No.	26674	Strand	-
Start	483	End	2687
Name	OJ990730_03.9C10.C14.o1.tm	Method	TBLASTX:Maize
Start	1717	End	2312
GI	none	Score	150
Exons	1717..1860, 1717..1848, 1893..1958, 1894..1959, 1896..1958, 2057..2155, 2058..2312, 2070..2297, 2210..2311		

Seq. No.	12602	Seq. ID	OJ990730_03.9C10.C14
Gene No.	26674	Strand	-
Start	483	End	2687
Name	OJ990730_03.9C10.C14.o2.tw	Method	TBLASTX:Wheat
Start	1863	End	2305
GI	none	Score	72
Exons	1863..1952, 1872..1955, 2054..2152, 2124..2273, 2144..2281, 2210..2305		

Seq. No.	12603	Seq. ID	OJ990730_03.9C10.C15
Gene No.	26675	Strand	-
Start	562	End	627
Name	OJ990730_03.9C10.C15.o1.gs	Method	GENSCAN
Start	562	End	627
GI	none	Score	.59
Exons	562..627		

Seq. No.	12604	Seq. ID	OJ990730_03.9C10.C16
Gene No.	26676	Strand	-
Start	292	End	422
Name	OJ990730_03.9C10.C16.o1.gs	Method	GENSCAN
Start	292	End	422
GI	none	Score	.77

Exons	292..422		
Seq. No.	12605	Seq. ID	OJ990730_03.9C10.C17
Gene No.	26677	Strand	+
Start	676	End	891
Name	OJ990730_03.9C10.C17.o1.gs	Method	GENSCAN
Start	676	End	891
GI	none	Score	.84
Exons	676..891		
Seq. No.	12606	Seq. ID	OJ990730_03.9C10.C18
Gene No.	26678	Strand	-
Start	1	End	754
Name	OJ990730_03.9C10.C18.o1.gp	Method	AAT/GAP
Start	1	End	245
GI	58532_1.R1084	Score	417
Exons	1..245		
GI Descrip.	'2213590 7.0e-14 (AC000348) T7N9.10 [Arabidopsis thaliana]'		
Seq. No.	12606	Seq. ID	OJ990730_03.9C10.C18
Gene No.	26678	Strand	-
Start	1	End	754
Name	OJ990730_03.9C10.C18.o1.np	Method	AAT/NAP
Start	1	End	754
GI	6598797	Score	727
Exons	1..754		
GI Descrip.	(AF024504) putative acyl-CoA synthetase [Arabidopsis thaliana]		
Seq. No.	12606	Seq. ID	OJ990730_03.9C10.C18
Gene No.	26678	Strand	-
Start	1	End	754
Name	OJ990730_03.9C10.C18.o1.ts	Method	TBLASTX:Soybean
Start	1	End	645
GI	none	Score	150
Exons	1..216, 8..217, 283..645, 293..613, 436..618		
Seq. No.	12606	Seq. ID	OJ990730_03.9C10.C18
Gene No.	26678	Strand	-
Start	1	End	754
Name	OJ990730_03.9C10.C18.o1.tc	Method	TBLASTX:Cress
Start	1	End	598
GI	none	Score	127
Exons	1..216, 2..217, 271..591, 272..598		
Seq. No.	12606	Seq. ID	OJ990730_03.9C10.C18
Gene No.	26678	Strand	-
Start	1	End	754
Name	OJ990730_03.9C10.C18.o1.tw	Method	TBLASTX:Wheat
Start	7	End	216
GI	none	Score	100
Exons	7..216, 8..175		
Seq. No.	12606	Seq. ID	OJ990730_03.9C10.C18
Gene No.	26678	Strand	-
Start	1	End	754
Name	OJ990730_03.9C10.C18.o1.gs	Method	GENSCAN
Start	19	End	600

GI	none	Score	.43
Exons	19..600		
Seq. No.	12606	Seq. ID	OJ990730_03.9C10.C18
Gene No.	26678	Strand	-
Start	1	End	754
Name	OJ990730_03.9C10.C18.o1.tm	Method	TBLASTX:Maize
Start	109	End	634
GI	none	Score	88
Exons	109..216, 110..217, 263..634, 271..633		
Seq. No.	12606	Seq. ID	OJ990730_03.9C10.C18
Gene No.	26678	Strand	-
Start	1	End	754
Name	OJ990730_03.9C10.C18.o2.tw	Method	TBLASTX:Wheat
Start	412	End	582
GI	none	Score	132
Exons	412..582, 416..580		
Seq. No.	12607	Seq. ID	OJ990730_02.9C10.C2
Gene No.	26679	Strand	-
Start	129	End	195
Name	OJ990730_02.9C10.C2.o1.gs	Method	GENSCAN
Start	129	End	195
GI	none	Score	.69
Exons	129..195		
Seq. No.	12608	Seq. ID	OJ990730_02.9C10.C3
Gene No.	26680	Strand	+
Start	2501	End	2789
Name	OJ990730_02.9C10.C3.o1.gp	Method	AAT/GAP
Start	2501	End	2789
GI	5039075	Score	551
Exons	2501..2789		
Seq. No.	12608	Seq. ID	OJ990730_02.9C10.C3
Gene No.	26681	Strand	+
Start	4145	End	7293
Name	OJ990730_02.9C10.C3.o2.gs	Method	GENSCAN
Start	4145	End	7293
GI	none	Score	.8
Exons	4145..4161, 4236..4375, 5127..5746, 5938..6081, 6149..6292, 6399..6457, 6528..7293		
Seq. No.	12608	Seq. ID	OJ990730_02.9C10.C3
Gene No.	26681	Strand	+
Start	4145	End	7293
Name	OJ990730_02.9C10.C3.o2.np	Method	AAT/NAP
Start	5680	End	7290
GI	6721561	Score	1020
Exons	5680..5715, 6116..6328, 6399..6457, 6528..7290		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	12608	Seq. ID	OJ990730_02.9C10.C3
Gene No.	26682	Strand	+
Start	7231	End	12394
Name	OJ990730_02.9C10.C3.o4.np	Method	AAT/NAP
Start	7231	End	12394
GI	6721512	Score	93
Exons	7231..7269, 12095..12394		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	12608	Seq. ID	OJ990730_02.9C10.C3
Gene No.	26683	Strand	+
Start	23656	End	24423
Name	OJ990730_02.9C10.C3.o5.gs	Method	GENSCAN
Start	23656	End	24423
GI	none	Score	.79
Exons	23656..23695, 24221..24423		

Seq. No.	12608	Seq. ID	OJ990730_02.9C10.C3
Gene No.	26684	Strand	+
Start	24713	End	30979
Name	OJ990730_02.9C10.C3.o6.gs	Method	GENSCAN
Start	24713	End	30757
GI	none	Score	.89
Exons	24713..24808, 25147..25789, 25890..26392, 26903..27022, 28263..28373, 28844..28869, 29113..29180, 29501..29614, 29710..29891, 30043..30111, 30411..30566, 30737..30757		

Seq. No.	12608	Seq. ID	OJ990730_02.9C10.C3
Gene No.	26684	Strand	+
Start	24713	End	30979
Name	OJ990730_02.9C10.C3.o5.gp	Method	AAT/GAP
Start	26932	End	29617
GI	none	Score	927
Exons	26932..27022, 27473..27538, 28263..28373, 28767..28843, 29113..29180, 29501..29617		

Seq. No.	12608	Seq. ID	OJ990730_02.9C10.C3
Gene No.	26684	Strand	+
Start	24713	End	30979
Name	OJ990730_02.9C10.C3.o6.gp	Method	AAT/GAP
Start	29765	End	30979
GI	LIB3434-010-P1-K1-F8	Score	985
Exons	29765..29891, 30043..30111, 30411..30566, 30775..30979		
GI Descrip.	'2781363 2.0e-20 (AC003113) F24O1.19 [Arabidopsis thaliana]'		

Seq. No.	12608	Seq. ID	OJ990730_02.9C10.C3
Gene No.	26685	Strand	-
Start	1	End	3315
Name	OJ990730_02.9C10.C3.o1.np	Method	AAT/NAP
Start	1	End	3315
GI	6453908	Score	848
Exons	1..187, 334..436, 531..601, 730..784, 961..1064, 1149..1271, 2190..2282, 2353..2603, 3104..3315		
GI Descrip.	(AC011663) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	12608	Seq. ID	OJ990730_02.9C10.C3
Gene No.	26685	Strand	-

Start	1	End	3315
Name	OJ990730_02.9C10.C3.o1.gs	Method	GENSCAN
Start	730	End	2784
GI	none	Score	.5
Exons	730..906, 1149..1271, 1398..1442, 2371..2784		

Seq. No.	12608	Seq. ID	OJ990730_02.9C10.C3
Gene No.	26686	Strand	-
Start	7228	End	13813
Name	OJ990730_02.9C10.C3.o3.np	Method	AAT/NAP
Start	7228	End	13813
GI	4680183	Score	1194
Exons	7228..7331, 8446..8837, 8925..8966, 9432..10850, 13765..13813		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	12608	Seq. ID	OJ990730_02.9C10.C3
Gene No.	26686	Strand	-
Start	7228	End	13813
Name	OJ990730_02.9C10.C3.o3.gs	Method	GENSCAN
Start	7633	End	12192
GI	none	Score	.45
Exons	7633..7955, 8035..8080, 8179..8994, 9028..9675, 9694..10279, 10340..10532, 10653..11415, 11569..12192		

Seq. No.	12608	Seq. ID	OJ990730_02.9C10.C3
Gene No.	26687	Strand	-
Start	14626	End	36849
Name	OJ990730_02.9C10.C3.o1.ts	Method	TBLASTX:Soybean
Start	1	End	786
GI	none	Score	162
Exons	1..99, 2..187, 6..188, 6..188, 8..190, 328..438, 332..439, 533..607, 533..607, 724..786, 727..786		

Seq. No.	12608	Seq. ID	OJ990730_02.9C10.C3
Gene No.	26687	Strand	-
Start	14626	End	36849
Name	OJ990730_02.9C10.C3.o4.tm	Method	TBLASTX:Maize
Start	1	End	436
GI	none	Score	266
Exons	1..99, 2..187, 6..188, 325..405, 328..435, 332..433, 332..436, 333..434		

Seq. No.	12608	Seq. ID	OJ990730_02.9C10.C3
Gene No.	26687	Strand	-
Start	14626	End	36849
Name	OJ990730_02.9C10.C3.o5.tm	Method	TBLASTX:Maize
Start	527	End	1242
GI	none	Score	121
Exons	527..607, 530..634, 724..795, 728..781, 730..786, 959..1072, 960..1073, 961..1077, 1123..1242, 1147..1233, 1149..1241		

Seq. No.	12608	Seq. ID	OJ990730_02.9C10.C3
Gene No.	26687	Strand	-
Start	14626	End	36849
Name	OJ990730_02.9C10.C3.o1.tc	Method	TBLASTX:Cress
Start	533	End	2440
GI	none	Score	91

Exons	533..607, 724..795, 953..1078, 955..1068, 963..1082, 1149..1271, 1159..1272, 1398..1442, 1543..1596, 2101..2220, 2163..2219, 2169..2282, 2224..2283, 2356..2439, 2360..2440		
Seq. No.	12608	Seq. ID	OJ990730_02.9C10.C3
Gene No.	26687	Strand	-
Start	14626	End	36849
Name	OJ990730_02.9C10.C3.o2.ts	Method	TBLASTX:Soybean
Start	958	End	1274
GI	none	Score	63
Exons	958..1077, 960..1067, 1149..1274, 1150..1272, 1206..1274		
Seq. No.	12608	Seq. ID	OJ990730_02.9C10.C3
Gene No.	26687	Strand	-
Start	14626	End	36849
Name	OJ990730_02.9C10.C3.o1.tw	Method	TBLASTX:Wheat
Start	5460	End	8986
GI	none	Score	350
Exons	5460..5561, 8530..8985, 8531..8986		
Seq. No.	12608	Seq. ID	OJ990730_02.9C10.C3
Gene No.	26687	Strand	-
Start	14626	End	36849
Name	OJ990730_02.9C10.C3.o2.tw	Method	TBLASTX:Wheat
Start	6978	End	9633
GI	none	Score	157
Exons	6978..6995, 7013..7099, 9178..9414, 9188..9412, 9451..9633, 9452..9625		
Seq. No.	12608	Seq. ID	OJ990730_02.9C10.C3
Gene No.	26687	Strand	-
Start	14626	End	36849
Name	OJ990730_02.9C10.C3.o3.tw	Method	TBLASTX:Wheat
Start	8017	End	8415
GI	none	Score	173
Exons	8017..8415, 8105..8305, 8116..8415		
Seq. No.	12608	Seq. ID	OJ990730_02.9C10.C3
Gene No.	26687	Strand	-
Start	14626	End	36849
Name	OJ990730_02.9C10.C3.o3.tm	Method	TBLASTX:Maize
Start	8107	End	8472
GI	none	Score	96
Exons	8107..8472, 8108..8305		
Seq. No.	12608	Seq. ID	OJ990730_02.9C10.C3
Gene No.	26687	Strand	-
Start	14626	End	36849
Name	OJ990730_02.9C10.C3.o3.ts	Method	TBLASTX:Soybean
Start	8203	End	8439
GI	none	Score	69
Exons	8203..8439, 8213..8302		
Seq. No.	12608	Seq. ID	OJ990730_02.9C10.C3
Gene No.	26687	Strand	-
Start	14626	End	36849
Name	OJ990730_02.9C10.C3.o1.tm	Method	TBLASTX:Maize

Start	8500	End	8856
GI	none	Score	209
Exons	8500..8856, 8501..8794, 8554..8802		

Seq. No.	12608	Seq. ID	OJ990730_02.9C10.C3
Gene No.	26687	Strand	-
Start	14626	End	36849
Name	OJ990730_02.9C10.C3.o4.tw	Method	TBLASTX:Wheat
Start	10216	End	10614
GI	none	Score	69
Exons	10216..10614, 10316..10489, 10562..10600		

Seq. No.	12608	Seq. ID	OJ990730_02.9C10.C3
Gene No.	26687	Strand	-
Start	14626	End	36849
Name	OJ990730_02.9C10.C3.o4.gs	Method	GENSCAN
Start	14626	End	21250
GI	none	Score	.64
Exons	14626..14763, 15828..15899, 17852..18133, 18334..18449, 18569..18615, 19070..19170, 19388..19477, 19673..21250		

Seq. No.	12608	Seq. ID	OJ990730_02.9C10.C3
Gene No.	26687	Strand	-
Start	14626	End	36849
Name	OJ990730_02.9C10.C3.o5.np	Method	AAT/NAP
Start	17843	End	21250
GI	629807	Score	3671
Exons	17843..18133, 18373..18449, 18569..18615, 19070..19170, 19388..19477, 19673..21250		
GI Descrip.	VP1 protein - rice		

Seq. No.	12608	Seq. ID	OJ990730_02.9C10.C3
Gene No.	26687	Strand	-
Start	14626	End	36849
Name	OJ990730_02.9C10.C3.o8.tm	Method	TBLASTX:Maize
Start	18036	End	19478
GI	none	Score	70
Exons	18036..18104, 18111..18131, 18367..18453, 18368..18451, 18553..18618, 18563..18619, 18564..18620, 19045..19173, 19056..19169, 19069..19215, 19388..19477, 19389..19478		

Seq. No.	12608	Seq. ID	OJ990730_02.9C10.C3
Gene No.	26687	Strand	-
Start	14626	End	36849
Name	OJ990730_02.9C10.C3.o2.gp	Method	AAT/GAP
Start	19056	End	19823
GI	72020_1.R1084	Score	585
Exons	19056..19170, 19388..19477, 19673..19823		
GI Descrip.	'391884/dbj|D16640|RICOSVP1 1.0e-62 Rice DNA for VP1 protein, complete cds'		

Seq. No.	12608	Seq. ID	OJ990730_02.9C10.C3
Gene No.	26687	Strand	-
Start	14626	End	36849
Name	OJ990730_02.9C10.C3.o6.np	Method	AAT/NAP
Start	19687	End	36849
GI	81286	Score	187

Exons	19687..19816, 20020..20174, 20307..20548, 24611..24802, 36701..36849		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		
Seq. No.	12608	Seq. ID	OJ990730_02.9C10.C3
Gene No.	26687	Strand	-
Start	14626	End	36849
Name	OJ990730_02.9C10.C3.o3.gp	Method	AAT/GAP
Start	20600	End	20923
GI	5607328	Score	644
Exons	20600..20923		
GI Descrip.	586238/sp|P37398|VIV_ORYSA 2.0e-51 VIVIPAROUS PROTEIN HOMOLOG >gi_632294_pir__S48899 VP1 protein (OSVP1) - Oryza sativa >gi_391885_dbj_BAA04066_ (D16640) VP1 protein (OSVP1) [Oryza sativa]		
Seq. No.	12608	Seq. ID	OJ990730_02.9C10.C3
Gene No.	26687	Strand	-
Start	14626	End	36849
Name	OJ990730_02.9C10.C3.o4.gp	Method	AAT/GAP
Start	21013	End	21334
GI	5607329	Score	612
Exons	21013..21334		
GI Descrip.	391884/dbj|D16640|RICOSVP1 1.0e-62 Rice DNA for VP1 protein, complete cds		
Seq. No.	12608	Seq. ID	OJ990730_02.9C10.C3
Gene No.	26687	Strand	-
Start	14626	End	36849
Name	OJ990730_02.9C10.C3.o9.tm	Method	TBLASTX:Maize
Start	29117	End	29904
GI	none	Score	90
Exons	29117..29176, 29119..29181, 29119..29175, 29560..29613, 29701..29904, 29705..29890, 29751..29897		
Seq. No.	12608	Seq. ID	OJ990730_02.9C10.C3
Gene No.	26687	Strand	-
Start	14626	End	36849
Name	OJ990730_02.9C10.C3.o6.tm	Method	TBLASTX:Maize
Start	30036	End	30886
GI	none	Score	78
Exons	30036..30113, 30042..30113, 30395..30568, 30405..30569, 30407..30568, 30751..30843, 30773..30883, 30773..30886, 30774..30884		
Seq. No.	12608	Seq. ID	OJ990730_02.9C10.C3
Gene No.	26687	Strand	-
Start	14626	End	36849
Name	OJ990730_02.9C10.C3.o7.gs	Method	GENSCAN
Start	31597	End	36747
GI	none	Score	.43
Exons	31597..31677, 32034..32165, 32374..32463, 34294..34334, 34637..34729, 35687..35850, 35963..36747		
Seq. No.	12608	Seq. ID	OJ990730_02.9C10.C3
Gene No.	26687	Strand	-

Start	14626	End	36849
Name	OJ990730_02.9C10.C3.o2.tm	Method	TBLASTX:Maize
Start	31755	End	32952
GI	none	Score	43
Exons	31755..31802, 31767..31799, 31780..31905, 31781..31906, 31781..31906, 31782..31907, 32025..32180, 32035..32196, 32059..32166, 32374..32421, 32375..32419, 32491..32613, 32507..32614, 32507..32623, 32508..32624, 32508..32624, 32509..32628, 32749..32952, 32754..32942		

Seq. No.	12608	Seq. ID	OJ990730_02.9C10.C3
Gene No.	26687	Strand	-
Start	14626	End	36849
Name	OJ990730_02.9C10.C3.o7.tm	Method	TBLASTX:Maize
Start	34723	End	36019
GI	none	Score	41
Exons	34723..34749, 34831..34938, 34836..34940, 34836..34940, 35209..35289, 35209..35295, 35364..35444, 35364..35447, 35365..35451, 35718..35891, 35752..35868, 35759..35869, 35960..36019		

Seq. No.	12609	Seq. ID	OJ990730_02.9C10.C4
Gene No.	26688	Strand	+
Start	1	End	1605
Name	OJ990730_02.9C10.C4.o1.np	Method	AAT/NAP
Start	1	End	1605
GI	4581111	Score	49
Exons	1..24, 1355..1605		
GI Descrip.	(AC005825) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	12609	Seq. ID	OJ990730_02.9C10.C4
Gene No.	26688	Strand	+
Start	1	End	1605
Name	OJ990730_02.9C10.C4.o1.gs	Method	GENSCAN
Start	64	End	1264
GI	none	Score	.63
Exons	64..297, 1187..1264		

Seq. No.	12609	Seq. ID	OJ990730_02.9C10.C4
Gene No.	26689	Strand	-
Start	1822	End	2026
Name	OJ990730_02.9C10.C4.o2.gs	Method	GENSCAN
Start	1822	End	2026
GI	none	Score	.57
Exons	1822..2026		

Seq. No.	12610	Seq. ID	OJ990730_02.9C10.C5
Gene No.	26690	Strand	-
Start	33	End	168
Name	OJ990730_02.9C10.C5.o1.gs	Method	GENSCAN
Start	33	End	168
GI	none	Score	.52
Exons	33..168		

Seq. No.	12611	Seq. ID	OJ990730_02.9C10.C6
Gene No.	26691	Strand	-

Start	1	End	480
Name	OJ990730_02.9C10.C6.o1.np	Method	AAT/NAP
Start	1	End	480
GI	6907086	Score	614
Exons	1..480		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	12611	Seq. ID	OJ990730_02.9C10.C6
Gene No.	26691	Strand	-
Start	1	End	480
Name	OJ990730_02.9C10.C6.o1.gs	Method	GENSCAN
Start	30	End	175
GI	none	Score	.9
Exons	30..175		

Seq. No.	12612	Seq. ID	OJ990730_02.9C10.C7
Gene No.	26692	Strand	+
Start	306	End	586
Name	OJ990730_02.9C10.C7.o1.gp	Method	AAT/GAP
Start	306	End	586
GI	2443_1.R1084	Score	330
Exons	306..417, 500..586		
GI Descrip.	'2911072/emb|CAA17534.1| 1.0e-73 (AL021960) putative protein [Arabidopsis thaliana]'		

Seq. No.	12612	Seq. ID	OJ990730_02.9C10.C7
Gene No.	26693	Strand	-
Start	608	End	697
Name	OJ990730_02.9C10.C7.o1.tw	Method	TBLASTX:Wheat
Start	304	End	588
GI	none	Score	179
Exons	304..429, 309..431, 497..523, 524..586	518..577, 523..585, 523..588,	

Seq. No.	12612	Seq. ID	OJ990730_02.9C10.C7
Gene No.	26693	Strand	-
Start	608	End	697
Name	OJ990730_02.9C10.C7.o1.tm	Method	TBLASTX:Maize
Start	313	End	634
GI	none	Score	155
Exons	313..429, 318..434, 497..523,	510..584, 523..630, 524..634	

Seq. No.	12612	Seq. ID	OJ990730_02.9C10.C7
Gene No.	26693	Strand	-
Start	608	End	697
Name	OJ990730_02.9C10.C7.o1.gs	Method	GENSCAN
Start	608	End	697
GI	none	Score	.53
Exons	608..697		

Seq. No.	12613	Seq. ID	OJ990730_02.9C10.C8
Gene No.	26694	Strand	+
Start	1	End	2443
Name	OJ990730_02.9C10.C8.o1.np	Method	AAT/NAP
Start	1	End	1483
GI	2911072	Score	423
Exons	1..26, 855..935, 1004..1228,	1338..1483	

GI Descrip. (AL021960) putative protein [Arabidopsis thaliana]

Seq. No.	12613	Seq. ID	OJ990730_02.9C10.C8
Gene No.	26694	Strand	+
Start	1	End	2443
Name	OJ990730_02.9C10.C8.o1.gs	Method	GENSCAN
Start	357	End	2443
GI	none	Score	.71
Exons	357..449, 855..935, 1004..1228, 1275..1460, 2028..2165, 2324..2443		

Seq. No.	12613	Seq. ID	OJ990730_02.9C10.C8
Gene No.	26694	Strand	+
Start	1	End	2443
Name	OJ990730_02.9C10.C8.o1.gp	Method	AAT/GAP
Start	840	End	1929
GI	2443_1.R1084	Score	1539
Exons	840..935, 1004..1228, 1338..1460, 1544..1929		
GI Descrip.	'2911072/emb|CAA17534.1| 1.0e-73 (AL021960) putative protein [Arabidopsis thaliana]'		

Seq. No.	12613	Seq. ID	OJ990730_02.9C10.C8
Gene No.	26695	Strand	-
Start	2125	End	2553
Name	OJ990730_02.9C10.C8.o2.gp	Method	AAT/GAP
Start	2125	End	2553
GI	2800158	Score	715
Exons	2125..2553		

Seq. No.	12613	Seq. ID	OJ990730_02.9C10.C8
Gene No.	26696	Strand	-
Start	2602	End	4024
Name	OJ990730_02.9C10.C8.o1.tw	Method	TBLASTX:Wheat
Start	749	End	1378
GI	none	Score	128
Exons	749..937, 840..935, 859..942, 974..1231, 997..1230, 1322..1378, 1323..1367		

Seq. No.	12613	Seq. ID	OJ990730_02.9C10.C8
Gene No.	26696	Strand	-
Start	2602	End	4024
Name	OJ990730_02.9C10.C8.o1.tm	Method	TBLASTX:Maize
Start	776	End	1829
GI	none	Score	132
Exons	776..937, 840..935, 855..938, 866..937, 938..1228, 974..1231, 1003..1230, 1322..1459, 1338..1484, 1354..1455, 1531..1656, 1539..1667, 1546..1671, 1761..1829		

Seq. No.	12613	Seq. ID	OJ990730_02.9C10.C8
Gene No.	26696	Strand	-
Start	2602	End	4024
Name	OJ990730_02.9C10.C8.o2.ts	Method	TBLASTX:Soybean
Start	863	End	1460
GI	5509682	Score	112
Exons	863..937, 864..935, 974..1048, 1003..1227, 1003..1230, 1089..1229, 1091..1231, 1322..1453, 1323..1460		
GI Descrip.	2911072/emb_CAA17534_ 3.0e-40 (AL021960) putative protein		

[Arabidopsis thaliana]

Seq. No.	12613	Seq. ID	OJ990730_02.9C10.C8
Gene No.	26696	Strand	-
Start	2602	End	4024
Name	OJ990730_02.9C10.C8.o3.tm	Method	TBLASTX:Maize
Start	2528	End	3243
GI	none	Score	72
Exons	2528..2650, 2540..2587, 2608..2649, 2656..2691, 2796..2861, 2797..2862, 2801..2866, 2803..2865, 2937..2996, 2937..3002, 3101..3241, 3102..3242, 3102..3242, 3106..3243		

Seq. No.	12613	Seq. ID	OJ990730_02.9C10.C8
Gene No.	26696	Strand	-
Start	2602	End	4024
Name	OJ990730_02.9C10.C8.o1.tc	Method	TBLASTX:Cress
Start	2590	End	3544
GI	none	Score	59
Exons	2590..2652, 2800..2865, 2804..2866, 3085..3387, 3102..3413, 3459..3536, 3461..3544		

Seq. No.	12613	Seq. ID	OJ990730_02.9C10.C8
Gene No.	26696	Strand	-
Start	2602	End	4024
Name	OJ990730_02.9C10.C8.o2.gs	Method	GENSCAN
Start	2602	End	3922
GI	none	Score	.92
Exons	2602..2685, 2803..2863, 2938..3002, 3102..3383, 3866..3922		

Seq. No.	12613	Seq. ID	OJ990730_02.9C10.C8
Gene No.	26696	Strand	-
Start	2602	End	4024
Name	OJ990730_02.9C10.C8.o2.np	Method	AAT/NAP
Start	2605	End	4024
GI	6175158	Score	639
Exons	2605..2685, 2803..2863, 2938..3002, 3102..3383, 3461..3535, 3644..3718, 3866..4024		
GI Descrip.	(AC010796) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	12613	Seq. ID	OJ990730_02.9C10.C8
Gene No.	26696	Strand	-
Start	2602	End	4024
Name	OJ990730_02.9C10.C8.o1.ts	Method	TBLASTX:Soybean
Start	3121	End	3532
GI	none	Score	191
Exons	3121..3303, 3123..3371, 3123..3386, 3166..3384, 3461..3532		

Seq. No.	12613	Seq. ID	OJ990730_02.9C10.C8
Gene No.	26696	Strand	-
Start	2602	End	4024
Name	OJ990730_02.9C10.C8.o2.tm	Method	TBLASTX:Maize
Start	3243	End	3727
GI	none	Score	137
Exons	3243..3386, 3243..3386, 3244..3387, 3461..3538, 3461..3538, 3641..3688, 3641..3727, 3645..3719		

Seq. No.	12614	Seq. ID	OJ990730_02.9C10.C9

Gene No.	26697	Strand	+
Start	2288	End	3586
Name	OJ990730_02.9C10.C9.o2.gp	Method	AAT/GAP
Start	2202	End	2867
GI	2427835	Score	824
Exons	2202..2449, 2540..2606, 2724..2867		
GI Descrip.	2781363 2.0e-20 (AC003113) F24O1.19 [Arabidopsis thaliana]		

Seq. No.	12614	Seq. ID	OJ990730_02.9C10.C9
Gene No.	26697	Strand	+
Start	2288	End	3586
Name	OJ990730_02.9C10.C9.o1.np	Method	AAT/NAP
Start	2213	End	3580
GI	6648200	Score	508
Exons	2213..2449, 2540..2606, 2724..2942, 3293..3417, 3506..3580		
GI Descrip.	(AC013483) putative RHO GDP-dissociation inhibitor 1 [Arabidopsis thaliana]		

Seq. No.	12614	Seq. ID	OJ990730_02.9C10.C9
Gene No.	26697	Strand	+
Start	2288	End	3586
Name	OJ990730_02.9C10.C9.o2.gs	Method	GENSCAN
Start	2288	End	3586
GI	none	Score	.96
Exons	2288..2449, 2540..2606, 2724..2942, 3293..3459, 3506..3586		

Seq. No.	12614	Seq. ID	OJ990730_02.9C10.C9
Gene No.	26698	Strand	+
Start	5536	End	8440
Name	OJ990730_02.9C10.C9.o2.np	Method	AAT/NAP
Start	5536	End	8440
GI	6091764	Score	559
Exons	5536..5556, 7014..8440		
GI Descrip.	(AC009327) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12614	Seq. ID	OJ990730_02.9C10.C9
Gene No.	26698	Strand	+
Start	5536	End	8440
Name	OJ990730_02.9C10.C9.o4.gs	Method	GENSCAN
Start	6466	End	8410
GI	none	Score	.79
Exons	6466..6652, 6777..6845, 7188..7355, 8208..8410		

Seq. No.	12614	Seq. ID	OJ990730_02.9C10.C9
Gene No.	26699	Strand	-
Start	143	End	1010
Name	OJ990730_02.9C10.C9.o1.gs	Method	GENSCAN
Start	143	End	1010
GI	none	Score	.47
Exons	143..1010		

Seq. No.	12614	Seq. ID	OJ990730_02.9C10.C9
Gene No.	26700	Strand	-
Start	3539	End	3826
Name	OJ990730_02.9C10.C9.o3.gp	Method	AAT/GAP
Start	3539	End	3826
GI	45653_1.R1084	Score	576

Exons	3539..3826		
GI Descrip.	'2781363 2.0e-20 (AC003113) F24O1.19 [Arabidopsis thaliana]'		

Seq. No.	12614	Seq. ID	OJ990730_02.9C10.C9
Gene No.	26701	Strand	-
Start	5471	End	5774
Name	OJ990730_02.9C10.C9.o2.tm	Method	TBLASTX:Maize
Start	180	End	579
GI	none	Score	293
Exons	180..545, 180..578, 181..564, 190..579		

Seq. No.	12614	Seq. ID	OJ990730_02.9C10.C9
Gene No.	26701	Strand	-
Start	5471	End	5774
Name	OJ990730_02.9C10.C9.o1.tc	Method	TBLASTX:Cress
Start	258	End	611
GI	none	Score	97
Exons	258..611, 280..510, 327..515		

Seq. No.	12614	Seq. ID	OJ990730_02.9C10.C9
Gene No.	26701	Strand	-
Start	5471	End	5774
Name	OJ990730_02.9C10.C9.o1.tm	Method	TBLASTX:Maize
Start	2300	End	3715
GI	none	Score	117
Exons	2300..2449, 2383..2451, 2537..2605, 2539..2610, 2722..2961, 2723..2956, 3218..3259, 3283..3417, 3296..3415, 3297..3416, 3375..3428, 3487..3528, 3503..3595, 3504..3593, 3505..3594, 3683..3715		

Seq. No.	12614	Seq. ID	OJ990730_02.9C10.C9
Gene No.	26701	Strand	-
Start	5471	End	5774
Name	OJ990730_02.9C10.C9.o1.ts	Method	TBLASTX:Soybean
Start	2405	End	2821
GI	none	Score	66
Exons	2405..2455, 2519..2605, 2539..2604, 2720..2821, 2731..2814		

Seq. No.	12614	Seq. ID	OJ990730_02.9C10.C9
Gene No.	26701	Strand	-
Start	5471	End	5774
Name	OJ990730_02.9C10.C9.o3.tc	Method	TBLASTX:Cress
Start	2537	End	2949
GI	none	Score	90
Exons	2537..2605, 2539..2610, 2722..2823, 2723..2803, 2840..2947, 2845..2949		

Seq. No.	12614	Seq. ID	OJ990730_02.9C10.C9
Gene No.	26701	Strand	-
Start	5471	End	5774
Name	OJ990730_02.9C10.C9.o3.gs	Method	GENSCAN
Start	5471	End	5774
GI	none	Score	.67
Exons	5471..5592, 5738..5774		

Seq. No.	12614	Seq. ID	OJ990730_02.9C10.C9
Gene No.	26702	Strand	

Start	7022	End	8437
Name	OJ990730_02.9C10.C9.o1.tw	Method	TBLASTX:Wheat
Start	7022	End	8437
GI	none	Score	181
Exons	7022..7378, 7295..7441, 7360..7428, 7601..7843, 7883..7987, 7904..8047, 8072..8293, 8210..8437		

Seq. No.	12614	Seq. ID	OJ990730_02.9C10.C9
Gene No.	26702	Strand	
Start	7022	End	8437
Name	OJ990730_02.9C10.C9.o2.ts	Method	TBLASTX:Soybean
Start	7022	End	8407
GI	none	Score	155
Exons	7022..7381, 7028..7135, 7301..7441, 7463..7687, 7613..7990, 7800..7820, 7885..7992, 7910..8047, 7912..8049, 8216..8407		

Seq. No.	12614	Seq. ID	OJ990730_02.9C10.C9
Gene No.	26702	Strand	
Start	7022	End	8437
Name	OJ990730_02.9C10.C9.o2.tc	Method	TBLASTX:Cress
Start	7028	End	8365
GI	none	Score	230
Exons	7028..7516, 7148..7762, 7202..7372, 7277..7438, 7463..7744, 7637..8107, 7766..8047, 7919..8047, 7922..8050, 8044..8337, 8081..8365, 8192..8353, 8194..8292		

Seq. No.	12614	Seq. ID	OJ990730_02.9C10.C9
Gene No.	26702	Strand	
Start	7022	End	8437
Name	OJ990730_02.9C10.C9.o3.tm	Method	TBLASTX:Maize
Start	7112	End	8437
GI	none	Score	273
Exons	7112..7813, 7148..7438, 7484..7822, 7663..8058, 7667..7840, 7757..8068, 7757..8059, 7762..7992, 7883..8437, 8072..8389		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26703	Strand	+
Start	1	End	330
Name	OJ990730_02.9C10.C10.o1.np	Method	AAT/NAP
Start	1	End	330
GI	3297823	Score	147
Exons	1..330		
GI Descrip.	(AL031032) putative protein [Arabidopsis thaliana]		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26704	Strand	+
Start	1609	End	1942
Name	OJ990730_02.9C10.C10.o2.np	Method	AAT/NAP
Start	1609	End	1930
GI	6648212	Score	166
Exons	1609..1715, 1817..1930		
GI Descrip.	(AC013483) putative RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26704	Strand	+
Start	1609	End	1942
Name	OJ990730_02.9C10.C10.o1.gs	Method	GENSCAN

Start	1617	End	1942
GI	none	Score	.96
Exons	1617..1715, 1817..1942		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26705	Strand	+
Start	5137	End	5482
Name	OJ990730_02.9C10.C10.o1.gp	Method	AAT/GAP
Start	5137	End	5482
GI	568796	Score	628
Exons	5137..5482		
GI Descrip.	2213590 7.0e-14 (AC000348) T7N9.10 [Arabidopsis thaliana]		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26706	Strand	+
Start	10412	End	11853
Name	OJ990730_02.9C10.C10.o4.gs	Method	GENSCAN
Start	10412	End	11853
GI	none	Score	.49
Exons	10412..10508, 10776..10905, 11018..11229, 11684..11853		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26707	Strand	+
Start	15123	End	15697
Name	OJ990730_02.9C10.C10.o6.gs	Method	GENSCAN
Start	15123	End	15697
GI	none	Score	.92
Exons	15123..15560, 15650..15697		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26708	Strand	+
Start	19002	End	20603
Name	OJ990730_02.9C10.C10.o8.gs	Method	GENSCAN
Start	19002	End	20603
GI	none	Score	.87
Exons	19002..20603		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26708	Strand	+
Start	19002	End	20603
Name	OJ990730_02.9C10.C10.o4.np	Method	AAT/NAP
Start	19362	End	20562
GI	4263522	Score	724
Exons	19362..20562		
GI Descrip.	(AC004044) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26709	Strand	+
Start	34135	End	37391
Name	OJ990730_02.9C10.C10.o11.gs	Method	GENSCAN
Start	34135	End	36697
GI	none	Score	.74
Exons	34135..34381, 36162..36697		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26709	Strand	+
Start	34135	End	37391

Name	OJ990730_02.9C10.C10.o7.np	Method	AAT/NAP
Start	36173	End	37391
GI	4678202	Score	52
Exons	36173..36325, 37356..37391		
GI Descrip.	(AC007134) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26710	Strand	+
Start	39555	End	39720
Name	OJ990730_02.9C10.C10.o9.np	Method	AAT/NAP
Start	39555	End	39720
GI	1346180	Score	75
Exons	39555..39720		
GI Descrip.	GLYCINE-RICH RNA-BINDING PROTEIN GRP1A gi|496233 (L31374) homology with RNA-binding proteins in meristematic tissue [Sinapis alba]		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26711	Strand	+
Start	55281	End	56018
Name	OJ990730_02.9C10.C10.o16.gs	Method	GENSCAN
Start	55281	End	56018
GI	none	Score	.9
Exons	55281..56018		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26712	Strand	+
Start	67664	End	68175
Name	OJ990730_02.9C10.C10.o14.np	Method	AAT/NAP
Start	67664	End	68175
GI	6907088	Score	567
Exons	67664..67801, 67929..68175		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26713	Strand	-
Start	2600	End	6989
Name	OJ990730_02.9C10.C10.o2.gs	Method	GENSCAN
Start	2600	End	6989
GI	none	Score	.79
Exons	2600..3497, 4300..4747, 5279..5398, 6911..6989		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26713	Strand	-
Start	2600	End	6989
Name	OJ990730_02.9C10.C10.o3.np	Method	AAT/NAP
Start	2621	End	6384
GI	6358806	Score	1280
Exons	2621..3497, 4300..4880, 5114..5474, 6279..6384		
GI Descrip.	(AC010675) putative peptide transporter [Arabidopsis thaliana]		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26714	Strand	-
Start	9933	End	10115
Name	OJ990730_02.9C10.C10.o3.gs	Method	GENSCAN
Start	9933	End	10115
GI	none	Score	.83

Exons	9933..10115		
Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26715	Strand	-
Start	12846	End	13090
Name	OJ990730_02.9C10.C10.o5.gs	Method	GENSCAN
Start	12846	End	13090
GI	none	Score	.76
Exons	12846..12954, 13008..13090		
Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26716	Strand	-
Start	15784	End	16016
Name	OJ990730_02.9C10.C10.o2.gp	Method	AAT/GAP
Start	15784	End	16016
GI	99156_1.R1084	Score	439
Exons	15784..16016		
GI Descrip.	'2213590 7.0e-14 (AC000348) T7N9.10 [Arabidopsis thaliana]'		
Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26717	Strand	-
Start	15984	End	16971
Name	OJ990730_02.9C10.C10.o7.gs	Method	GENSCAN
Start	15984	End	16971
GI	none	Score	.58
Exons	15984..16205, 16678..16971		
Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26718	Strand	-
Start	21962	End	28859
Name	OJ990730_02.9C10.C10.o3.gp	Method	AAT/GAP
Start	21665	End	22977
GI	804_1.R1084	Score	1866
Exons	21665..22096, 22218..22317, 22513..22977		
GI Descrip.	'2570517 7.0e-47 (AF022741) thioredoxin F isoform [Oryza sativa]'		
Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26718	Strand	-
Start	21962	End	28859
Name	OJ990730_02.9C10.C10.o9.gs	Method	GENSCAN
Start	21962	End	27827
GI	none	Score	.41
Exons	21962..22096, 22218..22317, 22513..22870, 26297..26813, 26844..26905, 27536..27827		
Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26718	Strand	-
Start	21962	End	28859
Name	OJ990730_02.9C10.C10.o5.np	Method	AAT/NAP
Start	22047	End	22841
GI	2570517	Score	688
Exons	22047..22096, 22218..22317, 22513..22841		
GI Descrip.	(AF022741) thioredoxin F isoform [Oryza sativa]		
Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26718	Strand	-

Start	21962	End	28859
Name	OJ990730_02.9C10.C10.o4.gp	Method	AAT/GAP
Start	24178	End	24267
GI	5867_1.R1084	Score	113
Exons	24178..24267		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26718	Strand	-
Start	21962	End	28859
Name	OJ990730_02.9C10.C10.o6.np	Method	AAT/NAP
Start	25055	End	28859
GI	6721547	Score	87
Exons	25055..25080, 26346..26423, 28751..28859		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26719	Strand	-
Start	30452	End	32500
Name	OJ990730_02.9C10.C10.o10.gs	Method	GENSCAN
Start	30452	End	32500
GI	none	Score	.45
Exons	30452..30577, 31651..31739, 32455..32500		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26720	Strand	-
Start	37693	End	39714
Name	OJ990730_02.9C10.C10.o12.gs	Method	GENSCAN
Start	37693	End	39714
GI	none	Score	.88
Exons	37693..37797, 37915..38064, 38107..38271, 38494..38574, 39226..39455, 39498..39714		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26720	Strand	-
Start	37693	End	39714
Name	OJ990730_02.9C10.C10.o8.np	Method	AAT/NAP
Start	37903	End	39438
GI	4646202	Score	611
Exons	37903..38271, 38494..38574, 39226..39438		
GI Descrip.	(AC007230) ESTs gb|H76289 and gb|H76537 come from this gene. [Arabidopsis thaliana]		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26720	Strand	-
Start	37693	End	39714
Name	OJ990730_02.9C10.C10.o5.gp	Method	AAT/GAP
Start	38240	End	39705
GI	LIB3432-046-P1-K1-B4	Score	849
Exons	38240..38271, 38494..38574, 39226..39455, 39549..39705		
GI Descrip.	'4646202/gb|AAD26875.1|AC007230_9 5.0e-39 (AC007230) ESTs		

gb_H76289 and gb_H76537 come from this gene. [Arabidopsis thaliana]'

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26721	Strand	-
Start	40710	End	44389
Name	OJ990730_02.9C10.C10.o13.gs	Method	GENSCAN
Start	40710	End	44389
GI	none	Score	.82
Exons	40710..40991, 41226..41483, 41562..41687, 41781..41876, 41971..42061, 42670..42758, 42948..43255, 43400..43452, 43755..43810, 43910..43976, 44085..44137, 44231..44389		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26721	Strand	-
Start	40710	End	44389
Name	OJ990730_02.9C10.C10.o10.np	Method	AAT/NAP
Start	40713	End	44389
GI	6560748	Score	633
Exons	40713..40991, 41226..41483, 41562..41687, 41787..41876, 41917..42061, 42670..42758, 43245..43397, 43910..43978, 44171..44389		
GI Descrip.	(AC010155) F3M18.1 [Arabidopsis thaliana] gi|6691212|gb|AAF24550.1|AC007508_13 (AC007508) F1K23.17 [Arabidopsis thaliana]		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26722	Strand	-
Start	44578	End	50954
Name	OJ990730_02.9C10.C10.o14.gs	Method	GENSCAN
Start	44578	End	50954
GI	none	Score	.65
Exons	44578..44712, 45490..45810, 46546..46844, 47157..47412, 47505..47725, 47917..48006, 48119..48235, 48650..48904, 49175..49712, 49860..50954		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26722	Strand	-
Start	44578	End	50954
Name	OJ990730_02.9C10.C10.o11.np	Method	AAT/NAP
Start	46501	End	50843
GI	5441880	Score	2032
Exons	46501..47226, 47329..47973, 48082..48220, 48770..49097, 49356..49391, 49836..50843		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26722	Strand	-
Start	44578	End	50954
Name	OJ990730_02.9C10.C10.o6.gp	Method	AAT/GAP
Start	46828	End	47967
GI	LIB3433-020-P1-K1-A6	Score	746
Exons	46828..47212, 47925..47967		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26723	Strand	-
Start	53590	End	54596
Name	OJ990730_02.9C10.C10.o15.gs	Method	GENSCAN
Start	53590	End	54596
GI	none	Score	.45
Exons	53590..53691, 53778..54596		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26724	Strand	-
Start	60695	End	65274
Name	OJ990730_02.9C10.C10.o12.np	Method	AAT/NAP
Start	60695	End	65274
GI	4680179	Score	4553
Exons	60695..64112, 64215..65274		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o3.ts	Method	TBLASTX:Soybean
Start	7	End	20573
GI	none	Score	145
Exons	7..330, 20127..20573, 20141..20560		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o6.tc	Method	TBLASTX:Cress
Start	7	End	20558
GI	none	Score	60
Exons	7..63, 109..324, 20241..20516, 20244..20558, 20252..20557		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o5.tm	Method	TBLASTX:Maize
Start	7	End	20561
GI	none	Score	128
Exons	7..318, 19362..19523, 19362..19565, 19362..19475, 19377..19475, 19535..19714, 19545..19661, 19548..19718, 19638..19871, 19641..19835, 19641..19814, 19719..20105, 19800..19964, 19815..20561, 20123..20419		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o2.tm	Method	TBLASTX:Maize
Start	2672	End	5402
GI	none	Score	88
Exons	2672..2833, 2834..3061, 2850..3047, 3050..3271, 3078..3272, 3278..3430, 3321..3431, 4299..4361, 4395..4808, 4414..4635, 4518..4649, 4684..4776, 5110..5394, 5181..5402		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-

Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o1.tc	Method	TBLASTX:Cress
Start	2687	End	5402
GI	none	Score	71
Exons	2687..3055, 2769..3047, 3056..3271, 3078..3212, 3257..3481, 4395..4808, 4396..4551, 5205..5402		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o11.tw	Method	TBLASTX:Wheat
Start	2696	End	3025
GI	none	Score	61
Exons	2696..3025, 2769..3011		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o1.ts	Method	TBLASTX:Soybean
Start	2744	End	3412
GI	none	Score	166
Exons	2744..3046, 2775..3050, 3047..3277, 3054..3227, 3290..3412		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o9.ts	Method	TBLASTX:Soybean
Start	3413	End	4655
GI	none	Score	154
Exons	3413..3499, 4395..4655, 4396..4635		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o11.ts	Method	TBLASTX:Soybean
Start	5184	End	5402
GI	none	Score	210
Exons	5184..5402		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o5.ts	Method	TBLASTX:Soybean
Start	15192	End	15517
GI	none	Score	334
Exons	15192..15515, 15218..15247, 15302..15517		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o9.tm	Method	TBLASTX:Maize
Start	15192	End	15518
GI	none	Score	316
Exons	15192..15452, 15218..15451, 15446..15517, 15447..15518		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-

Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o3.tc	Method	TBLASTX:Cress
Start	15195	End	15515
GI	none	Score	301
Exons	15195..15515, 15299..15493		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o2.tc	Method	TBLASTX:Cress
Start	19362	End	20228
GI	none	Score	110
Exons	19362..19628, 19365..19571, 19455..19796, 19548..20117, 19548..19619, 19661..19795, 19686..19973, 19803..19880, 20097..20228, 20117..20227		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o8.tw	Method	TBLASTX:Wheat
Start	19458	End	20249
GI	none	Score	64
Exons	19458..19658, 19641..19862, 19667..19789, 19773..20249, 19800..19895, 19943..20011		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o10.ts	Method	TBLASTX:Soybean
Start	19479	End	20048
GI	none	Score	74
Exons	19479..19616, 19577..19708, 19578..19709, 19623..19745, 19665..20048, 19667..19792, 19695..19838		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10:o10.tm	Method	TBLASTX:Maize
Start	21962	End	22727
GI	none	Score	160
Exons	21962..22105, 21963..22091, 22218..22319, 22218..22316, 22220..22330, 22267..22335, 22510..22584, 22512..22586, 22653..22727, 22654..22716		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o8.ts	Method	TBLASTX:Soybean
Start	21962	End	22586
GI	none	Score	118
Exons	21962..22105, 21966..22094, 22218..22316, 22236..22298, 22267..22317, 22510..22584, 22512..22586		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o4.tc	Method	TBLASTX:Cress

Start	21965	End	22586
GI	none	Score	119
Exons	21965..22105, 21969..22091, 21983..22093, 22218..22316, 22510..22584, 22512..22586		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o7.ts	Method	TBLASTX:Soybean
Start	37591	End	39399
GI	none	Score	88
Exons	37591..37614, 37693..37794, 37694..37765, 37915..38085, 37916..37954, 37960..38187, 37997..38179, 38197..38271, 38204..38272, 38494..38580, 38495..38566, 39224..39340, 39226..39399		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o3.tm	Method	TBLASTX:Maize
Start	37766	End	38560
GI	none	Score	64
Exons	37766..37804, 37768..37812, 37915..38001, 37919..37954, 37981..38271, 37985..38293, 38000..38275, 38490..38558, 38494..38559, 38494..38559, 38495..38560, 38495..38560		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o5.tc	Method	TBLASTX:Cress
Start	38494	End	39399
GI	none	Score	90
Exons	38494..38580, 38495..38566, 39223..39399, 39224..39340		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o15.tm	Method	TBLASTX:Maize
Start	39256	End	39776
GI	none	Score	153
Exons	39256..39408, 39301..39423, 39711..39776, 39712..39765		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o11.tm	Method	TBLASTX:Maize
Start	40706	End	40905
GI	none	Score	173
Exons	40706..40900, 40710..40904, 40712..40900, 40771..40905		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o4.ts	Method	TBLASTX:Soybean
Start	40743	End	41855
GI	none	Score	131
Exons	40743..40994, 40786..40995, 41224..41325, 41226..41456,		

41227..41457, 41550..41684, 41551..41688, 41778..41855

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o12.tm	Method	TBLASTX:Maize
Start	41460	End	42758
GI	none	Score	127
Exons	41460..41486, 41544..41690, 41560..41685, 41562..41696, 41781..41879, 41784..41879, 41785..41883, 41971..42081, 41971..42063, 41972..42064, 42660..42758, 42663..42755		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o7.tw	Method	TBLASTX:Wheat
Start	49605	End	49982
GI	none	Score	59
Exons	49605..49778, 49616..49756, 49803..49979, 49833..49982		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o8.tm	Method	TBLASTX:Maize
Start	49798	End	50276
GI	none	Score	221
Exons	49798..50271, 49809..50276		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o5.tw	Method	TBLASTX:Wheat
Start	60739	End	61072
GI	none	Score	99
Exons	60739..61071, 60760..60909, 60803..61072		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o18.tm	Method	TBLASTX:Maize
Start	60754	End	60912
GI	none	Score	193
Exons	60754..60912		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o1.tm	Method	TBLASTX:Maize
Start	60922	End	61518
GI	none	Score	151
Exons	60922..61359, 60922..61359, 61357..61515, 61364..61510, 61366..61518		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o1.tw	Method	TBLASTX:Wheat

Start	61072	End	61698
GI	none	Score	158
Exons	61072..61698, 61123..61551, 61196..61603		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o7.tm	Method	TBLASTX:Maize
Start	61567	End	61859
GI	none	Score	115
Exons	61567..61857, 61570..61785, 61667..61846, 61707..61859		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o6.ts	Method	TBLASTX:Soybean
Start	61657	End	61912
GI	none	Score	159
Exons	61657..61905, 61667..61912		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o7.tc	Method	TBLASTX:Cress
Start	61681	End	61998
GI	none	Score	96
Exons	61681..61824, 61700..61822, 61825..61998		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o3.tw	Method	TBLASTX:Wheat
Start	61705	End	62229
GI	none	Score	267
Exons	61705..62229, 61709..62077		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o2.tw	Method	TBLASTX:Wheat
Start	62272	End	62698
GI	none	Score	197
Exons	62272..62697, 62287..62640, 62324..62698		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o4.tm	Method	TBLASTX:Maize
Start	62272	End	62625
GI	none	Score	216
Exons	62272..62625, 62315..62623		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o12.ts	Method	TBLASTX:Soybean
Start	62446	End	62691

GI	none	Score	205
Exons	62446..62691		
Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o13.tm	Method	TBLASTX:Maize
Start	62632	End	62979
GI	none	Score	65
Exons	62632..62979, 62777..62911		
Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o6.tw	Method	TBLASTX:Wheat
Start	62704	End	63000
GI	none	Score	66
Exons	62704..63000, 62724..62939, 62741..62956, 62764..63000		
Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o2.ts	Method	TBLASTX:Soybean
Start	62713	End	63108
GI	none	Score	150
Exons	62713..63072, 62741..62956, 62764..63072, 62996..63091, 63076..63108, 63076..63108		
Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o6.tm	Method	TBLASTX:Maize
Start	62995	End	63462
GI	none	Score	94
Exons	62995..63462, 63214..63390		
Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o4.tw	Method	TBLASTX:Wheat
Start	63049	End	63532
GI	none	Score	173
Exons	63049..63531, 63058..63504, 63077..63532		
Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o16.tm	Method	TBLASTX:Maize
Start	63463	End	63669
GI	none	Score	162
Exons	63463..63669, 63464..63610		
Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o9.tw	Method	TBLASTX:Wheat
Start	63673	End	64077

GI	none	Score	80
Exons	63673..63843, 63728..63847, 63856..64077, 63923..64033, 64024..64077		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o17.tm	Method	TBLASTX:Maize
Start	63760	End	64083
GI	none	Score	204
Exons	63760..64083		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o14.tm	Method	TBLASTX:Maize
Start	64393	End	64794
GI	none	Score	239
Exons	64393..64794		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o10.tw	Method	TBLASTX:Wheat
Start	64675	End	65052
GI	none	Score	265
Exons	64675..65052		

Seq. No.	12615	Seq. ID	OJ990730_02.9C10.C10
Gene No.	26725	Strand	-
Start	65750	End	66530
Name	OJ990730_02.9C10.C10.o13.np	Method	AAT/NAP
Start	65750	End	66530
GI	6002794	Score	1228
Exons	65750..66530		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	12616	Seq. ID	OJ990730_02.9C10.C11
Gene No.	26726	Strand	-
Start	1	End	490
Name	OJ990730_02.9C10.C11.o1.np	Method	AAT/NAP
Start	1	End	490
GI	6907086	Score	678
Exons	1..490		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	12616	Seq. ID	OJ990730_02.9C10.C11
Gene No.	26726	Strand	-
Start	1	End	490
Name	OJ990730_02.9C10.C11.o1.gs	Method	GENSCAN
Start	7	End	270
GI	none	Score	.89
Exons	7..270		

Seq. No.	12617	Seq. ID	OJ990430_06.9C03.C3
Gene No.	26727	Strand	-
Start	210	End	262

Name	OJ990430_06.9C03.C3.o1.gp	Method	AAT/GAP
Start	210	End	262
GI	286357	Score	86
Exons	210..262		
GI Descrip.	517492/emb|X78846|ZM38G1 6.0e-15 Z.Mays Zm38 gene, intron		

Seq. No.	12617	Seq. ID	OJ990430_06.9C03.C3
Gene No.	26728	Strand	
Start	209	End	496
Name	OJ990430_06.9C03.C3.o1.tm	Method	TBLASTX:Maize
Start	209	End	496
GI	none	Score	156
Exons	209..346, 211..351, 416..496, 418..486, 419..493		

Seq. No.	12617	Seq. ID	OJ990430_06.9C03.C3
Gene No.	26728	Strand	
Start	209	End	496
Name	OJ990430_06.9C03.C3.o1.ts	Method	TBLASTX:Soybean
Start	209	End	486
GI	none	Score	103
Exons	209..331, 211..351, 410..484, 418..486		

Seq. No.	12618	Seq. ID	OJ990430_06.9C03.C7
Gene No.	26729	Strand	-
Start	1	End	309
Name	OJ990430_06.9C03.C7.o1.np	Method	AAT/NAP
Start	1	End	309
GI	4510386	Score	121
Exons	1..309		
GI Descrip.	(AC007017) unknown protein [Arabidopsis thaliana]		

Seq. No.	12618	Seq. ID	OJ990430_06.9C03.C7
Gene No.	26729	Strand	-
Start	1	End	309
Name	OJ990430_06.9C03.C7.o1.tw	Method	TBLASTX:Wheat
Start	155	End	265
GI	none	Score	160
Exons	155..265, 157..264		

Seq. No.	12619	Seq. ID	OJ990430_06.9C03.C10
Gene No.	26730	Strand	-
Start	1	End	448
Name	OJ990430_06.9C03.C10.o1.np	Method	AAT/NAP
Start	1	End	429
GI	6907089	Score	708
Exons	1..429		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	12619	Seq. ID	OJ990430_06.9C03.C10
Gene No.	26730	Strand	-
Start	1	End	448
Name	OJ990430_06.9C03.C10.o1.gs	Method	GENSCAN
Start	40	End	448
GI	none	Score	.41
Exons	40..233, 300..448		

Seq. No.	12620	Seq. ID	OJ990430_06.9C03.C11

Gene No.	26731	Strand	-
Start	1	End	692
Name	OJ990430_06.9C03.C11.o1.np	Method	AAT/NAP
Start	1	End	692
GI	6016680	Score	291
Exons	1..369, 630..692		
GI Descrip.	(AC009991) putative leucoanthocyanidin dioxygenase [Arabidopsis thaliana]		

Seq. No.	12620	Seq. ID	OJ990430_06.9C03.C11
Gene No.	26731	Strand	-
Start	1	End	692
Name	OJ990430_06.9C03.C11.o1.ts	Method	TBLASTX:Soybean
Start	99	End	368
GI	none	Score	183
Exons	99..368, 145..363		

Seq. No.	12620	Seq. ID	OJ990430_06.9C03.C11
Gene No.	26731	Strand	-
Start	1	End	692
Name	OJ990430_06.9C03.C11.o1.gs	Method	GENSCAN
Start	108	End	360
GI	none	Score	.99
Exons	108..360		

Seq. No.	12621	Seq. ID	OJ990430_06.9C03.C13
Gene No.	26732	Strand	-
Start	1	End	3076
Name	OJ990430_06.9C03.C13.o1.np	Method	AAT/NAP
Start	1	End	2967
GI	6598934	Score	721
Exons	1..20, 1265..1399, 1506..1741, 2063..2226, 2375..2550, 2815..2967		
GI Descrip.	(AC018721) unknown protein [Arabidopsis thaliana]		

Seq. No.	12621	Seq. ID	OJ990430_06.9C03.C13
Gene No.	26732	Strand	-
Start	1	End	3076
Name	OJ990430_06.9C03.C13.o1.gs	Method	GENSCAN
Start	802	End	3051
GI	none	Score	.79
Exons	802..959, 983..1197, 1269..1408, 1461..1733, 2055..2226, 2375..3051		

Seq. No.	12621	Seq. ID	OJ990430_06.9C03.C13
Gene No.	26732	Strand	-
Start	1	End	3076
Name	OJ990430_06.9C03.C13.o1.tm	Method	TBLASTX:Maize
Start	1212	End	2198
GI	none	Score	150
Exons	1212..1427, 1271..1426, 1519..1734, 1536..1736, 2058..2198, 2065..2196		

Seq. No.	12621	Seq. ID	OJ990430_06.9C03.C13
Gene No.	26732	Strand	-
Start	1	End	3076
Name	OJ990430_06.9C03.C13.o1.tc	Method	TBLASTX:Cress

Start	1268	End	1725
GI	none	Score	172
Exons	1268..1399, 1531..1725, 1533..1724		

Seq. No.	12621	Seq. ID	OJ990430_06.9C03.C13
Gene No.	26732	Strand	-
Start	1	End	3076
Name	OJ990430_06.9C03.C13.o1.ts	Method	TBLASTX:Soybean
Start	1536	End	2235
GI	none	Score	159
Exons	1536..1733, 1540..1734, 2097..2228, 2116..2235		

Seq. No.	12621	Seq. ID	OJ990430_06.9C03.C13
Gene No.	26732	Strand	-
Start	1	End	3076
Name	OJ990430_06.9C03.C13.o1.tw	Method	TBLASTX:Wheat
Start	1537	End	2418
GI	none	Score	200
Exons	1537..1734, 1539..1739, 2092..2235, 2097..2228, 2371..2418, 2375..2416		

Seq. No.	12621	Seq. ID	OJ990430_06.9C03.C13
Gene No.	26732	Strand	-
Start	1	End	3076
Name	OJ990430_06.9C03.C13.o2.tm	Method	TBLASTX:Maize
Start	2251	End	2578
GI	none	Score	191
Exons	2251..2346, 2369..2578, 2369..2491, 2371..2565		

Seq. No.	12621	Seq. ID	OJ990430_06.9C03.C13
Gene No.	26732	Strand	-
Start	1	End	3076
Name	OJ990430_06.9C03.C13.o2.ts	Method	TBLASTX:Soybean
Start	2393	End	2551
GI	none	Score	146
Exons	2393..2551, 2395..2550		

Seq. No.	12621	Seq. ID	OJ990430_06.9C03.C13
Gene No.	26732	Strand	-
Start	1	End	3076
Name	OJ990430_06.9C03.C13.o1.gp	Method	AAT/GAP
Start	2795	End	3076
GI	568939	Score	541
Exons	2795..3076		

Seq. No.	12622	Seq. ID	OJ990430_06.9C03.C14
Gene No.	26733	Strand	+
Start	777	End	865
Name	OJ990430_06.9C03.C14.o1.gs	Method	GENSCAN
Start	777	End	865
GI	none	Score	.78
Exons	777..865		

Seq. No.	12623	Seq. ID	OJ990430_06.9C03.C15
Gene No.	26734	Strand	+
Start	1	End	2616
Name	OJ990430_06.9C03.C15.o1.np	Method	AAT/NAP

Start	1	End	2616
GI	4587987	Score	1076
Exons	1..65, 398..442, 547..826, 1125..1232, 1498..1776, 2215..2358, 2501..2616		
GI Descrip.	(AF085279) hypothetical Ser-Thr protein kinase [Arabidopsis thaliana] gi|6598931|gb|AAF18726.1|AC018721_1 (AC018721) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	12623	Seq. ID	OJ990430_06.9C03.C15
Gene No.	26734	Strand	+
Start	1	End	2616
Name	OJ990430_06.9C03.C15.o1.gs	Method	GENSCAN
Start	142	End	2358
GI	none	Score	.97
Exons	142..442, 547..826, 1092..1232, 1498..1776, 2215..2358		

Seq. No.	12623	Seq. ID	OJ990430_06.9C03.C15
Gene No.	26734	Strand	+
Start	1	End	2616
Name	OJ990430_06.9C03.C15.o2.tm	Method	TBLASTX:Maize
Start	399	End	2310
GI	none	Score	62
Exons	399..443, 544..687, 545..838, 551..823, 609..836, 2188..2310		

Seq. No.	12623	Seq. ID	OJ990430_06.9C03.C15
Gene No.	26734	Strand	+
Start	1	End	2616
Name	OJ990430_06.9C03.C15.o2.ts	Method	TBLASTX:Soybean
Start	541	End	784
GI	none	Score	167
Exons	541..765, 544..690, 545..784, 545..778		

Seq. No.	12623	Seq. ID	OJ990430_06.9C03.C15
Gene No.	26734	Strand	+
Start	1	End	2616
Name	OJ990430_06.9C03.C15.o1.tw	Method	TBLASTX:Wheat
Start	553	End	1196
GI	none	Score	393
Exons	553..687, 554..838, 554..832, 612..836, 1122..1196, 1124..1195		

Seq. No.	12623	Seq. ID	OJ990430_06.9C03.C15
Gene No.	26734	Strand	+
Start	1	End	2616
Name	OJ990430_06.9C03.C15.o2.tc	Method	TBLASTX:Cress
Start	662	End	787
GI	none	Score	183
Exons	662..787, 662..775		

Seq. No.	12623	Seq. ID	OJ990430_06.9C03.C15
Gene No.	26734	Strand	+
Start	1	End	2616
Name	OJ990430_06.9C03.C15.o1.tc	Method	TBLASTX:Cress
Start	788	End	1779
GI	none	Score	65
Exons	788..826, 1122..1232, 1124..1231, 1495..1779, 1512..1778		

Seq. No.	12623	Seq. ID	OJ990430_06.9C03.C15

Gene No.	26734	Strand	+
Start	1	End	2616
Name	OJ990430_06.9C03.C15.o1.tm	Method	TBLASTX:Maize
Start	1122	End	1779
GI	none	Score	162
Exons	1122..1232, 1123..1233, 1124..1231, 1493..1777, 1495..1779, 1497..1778		

Seq. No.	12623	Seq. ID	OJ990430_06.9C03.C15
Gene No.	26734	Strand	+
Start	1	End	2616
Name	OJ990430_06.9C03.C15.o1.gp	Method	AAT/GAP
Start	1130	End	2297
GI	3768330	Score	831
Exons	1130..1232, 1498..1776, 2215..2297		
GI Descrip.	4895261/gb|AAD32845.1|AC007658_4 1.0e-60 (AC007658) putative serine/threonine protein kinase, 5' partial [Arabidopsis thaliana]		

Seq. No.	12623	Seq. ID	OJ990430_06.9C03.C15
Gene No.	26734	Strand	+
Start	1	End	2616
Name	OJ990430_06.9C03.C15.o1.ts	Method	TBLASTX:Soybean
Start	1493	End	2560
GI	none	Score	301
Exons	1493..1777, 1495..1779, 1500..1778, 2188..2358, 2194..2367, 2196..2360, 2282..2368, 2498..2560, 2500..2559		

Seq. No.	12624	Seq. ID	OJ990430_06.9C03.C16
Gene No.	26735	Strand	+
Start	370	End	1017
Name	OJ990430_06.9C03.C16.o1.gp	Method	AAT/GAP
Start	370	End	796
GI	uC-osflm202108a05b1	Score	818
Exons	370..796		
GI Descrip.	'3395443 1.0e-34 (AC004683) putative ammonium transporter, 3'' partial [Arabidopsis thaliana]'		

Seq. No.	12624	Seq. ID	OJ990430_06.9C03.C16
Gene No.	26735	Strand	+
Start	370	End	1017
Name	OJ990430_06.9C03.C16.o1.gs	Method	GENSCAN
Start	413	End	984
GI	none	Score	.93
Exons	413..984		

Seq. No.	12624	Seq. ID	OJ990430_06.9C03.C16
Gene No.	26735	Strand	+
Start	370	End	1017
Name	OJ990430_06.9C03.C16.o1.np	Method	AAT/NAP
Start	428	End	1017
GI	6598436	Score	662
Exons	428..748, 782..1017		
GI Descrip.	(AC004683) putative ammonium transporter [Arabidopsis thaliana]		

Seq. No.	12624	Seq. ID	OJ990430_06.9C03.C16
Gene No.	26735	Strand	+

Start	370	End	1017
Name	OJ990430_06.9C03.C16.o1.tm	Method	TBLASTX:Maize
Start	466	End	897
GI	none	Score	488
Exons	466..897, 467..895		

Seq. No.	12624	Seq. ID	OJ990430_06.9C03.C16
Gene No.	26735	Strand	+
Start	370	End	1017
Name	OJ990430_06.9C03.C16.o1.ts	Method	TBLASTX:Soybean
Start	470	End	1017
GI	none	Score	738
Exons	470..1015, 472..1017		

Seq. No.	12625	Seq. ID	OJ990430_06.9C03.C17
Gene No.	26736	Strand	+
Start	347	End	702
Name	OJ990430_06.9C03.C17.o1.gp	Method	AAT/GAP
Start	347	End	702
GI	LIB3431-055-P1-N1-B2	Score	672
Exons	347..702		
GI Descrip.	'3068705 6.0e-16 (AF049236) unknown [Arabidopsis thaliana]'		

Seq. No.	12625	Seq. ID	OJ990430_06.9C03.C17
Gene No.	26737	Strand	-
Start	512	End	3435
Name	OJ990430_06.9C03.C17.o1.gs	Method	GENSCAN
Start	512	End	3435
GI	none	Score	.74
Exons	512..709, 1891..2037, 2133..2395, 3201..3435		

Seq. No.	12625	Seq. ID	OJ990430_06.9C03.C17
Gene No.	26737	Strand	-
Start	512	End	3435
Name	OJ990430_06.9C03.C17.o1.np	Method	AAT/NAP
Start	515	End	3414
GI	3068705	Score	484
Exons	515..709, 1891..2037, 2133..2395, 3258..3414		
GI Descrip.	(AF049236) unknown [Arabidopsis thaliana]		

Seq. No.	12625	Seq. ID	OJ990430_06.9C03.C17
Gene No.	26738	Strand	-
Start	3613	End	5167
Name	OJ990430_06.9C03.C17.o1.tw	Method	TBLASTX:Wheat
Start	482	End	1951
GI	none	Score	53
Exons	482..547, 487..543, 513..548, 548..643, 549..647, 550..645, 645..710, 647..712, 650..712, 1885..1935, 1889..1951		

Seq. No.	12625	Seq. ID	OJ990430_06.9C03.C17
Gene No.	26738	Strand	-
Start	3613	End	5167
Name	OJ990430_06.9C03.C17.o1.tm	Method	TBLASTX:Maize
Start	503	End	3763
GI	none	Score	258
Exons	503..712, 513..710, 1889..2038, 1889..2038, 1890..2039, 1933..2040, 2125..2397, 2130..2396, 2131..2397, 2201..2425,		

3256..3369, 3257..3340, 3320..3385, 3322..3399, 3322..3384, 3558..3599, 3559..3627, 3560..3613, 3610..3708, 3620..3712, 3622..3711, 3728..3754, 3731..3763

Seq. No.	12625	Seq. ID	OJ990430_06.9C03.C17
Gene No.	26738	Strand	-
Start	3613	End	5167
Name	OJ990430_06.9C03.C17.o1.ts	Method	TBLASTX:Soybean
Start	510	End	3381
GI	none	Score	134
Exons	510..710, 512..712, 513..710, 1888..2040, 2130..2231, 2131..2238, 2253..2396, 2254..2397, 3256..3381		

Seq. No.	12625	Seq. ID	OJ990430_06.9C03.C17
Gene No.	26738	Strand	-
Start	3613	End	5167
Name	OJ990430_06.9C03.C17.o2.np	Method	AAT/NAP
Start	3613	End	5167
GI	140291	Score	151
Exons	3613..3673, 5023..5167		
GI Descrip.	HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) gi|82541|pir||S05116 hypothetical protein 185 - rice chloroplast gi|11997|emb|CAA33958| (X15901) ORF185 [Oryza sativa] gi|226618|prf||1603356AQ ORF 185 [Oryza sativa]		

Seq. No.	12625	Seq. ID	OJ990430_06.9C03.C17
Gene No.	26738	Strand	-
Start	3613	End	5167
Name	OJ990430_06.9C03.C17.o3.np	Method	AAT/NAP
Start	3760	End	5167
GI	140291	Score	156
Exons	3760..3798, 5025..5167		
GI Descrip.	HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) gi|82541|pir||S05116 hypothetical protein 185 - rice chloroplast gi|11997|emb|CAA33958| (X15901) ORF185 [Oryza sativa] gi|226618|prf||1603356AQ ORF 185 [Oryza sativa]		

Seq. No.	12626	Seq. ID	OJ990430_06.9C03.C18
Gene No.	26739	Strand	-
Start	1	End	430
Name	OJ990430_06.9C03.C18.o1.np	Method	AAT/NAP
Start	1	End	430
GI	140291	Score	152
Exons	1..31, 283..430		
GI Descrip.	HYPOTHETICAL 21.5 KD PROTEIN (ORF 185) gi|82541|pir||S05116 hypothetical protein 185 - rice chloroplast gi|11997|emb|CAA33958| (X15901) ORF185 [Oryza sativa] gi|226618|prf||1603356AQ ORF 185 [Oryza sativa]		

Seq. No.	12627	Seq. ID	OJ990430_06.9C03.C19
Gene No.	26740	Strand	+
Start	63	End	671
Name	OJ990430_06.9C03.C19.o1.gs	Method	GENSCAN
Start	63	End	671
GI	none	Score	.59
Exons	63..92, 424..671		

Seq. No.	12627	Seq. ID	OJ990430_06.9C03.C19
Gene No.	26741	Strand	-
Start	286	End	771
Name	OJ990430_06.9C03.C19.o1.ts	Method	TBLASTX:Soybean
Start	235	End	600
GI	none	Score	36
Exons	235..312, 293..313, 388..585,	388..600	

Seq. No.	12627	Seq. ID	OJ990430_06.9C03.C19
Gene No.	26741	Strand	-
Start	286	End	771
Name	OJ990430_06.9C03.C19.o1.np	Method	AAT/NAP
Start	286	End	771
GI	6598436	Score	367
Exons	286..771		
GI Descrip.	(AC004683) putative ammonium transporter [Arabidopsis thaliana]		

Seq. No.	12627	Seq. ID	OJ990430_06.9C03.C19
Gene No.	26741	Strand	-
Start	286	End	771
Name	OJ990430_06.9C03.C19.o1.tm	Method	TBLASTX:Maize
Start	352	End	715
GI	none	Score	81
Exons	352..585, 373..600, 461..601,	665..715	

Seq. No.	12628	Seq. ID	OJ990430_06.9C03.C23
Gene No.	26742	Strand	-
Start	637	End	876
Name	OJ990430_06.9C03.C23.o1.gp	Method	AAT/GAP
Start	637	End	876
GI	none	Score	464
Exons	637..876		

Seq. No.	12628	Seq. ID	OJ990430_06.9C03.C23
Gene No.	26743	Strand	-
Start	890	End	1308
Name	OJ990430_06.9C03.C23.o1.np	Method	AAT/NAP
Start	890	End	1308
GI	6648211	Score	258
Exons	890..1030, 1117..1308		
GI Descrip.	(AC013483) putative serine carboxypeptidase II [Arabidopsis thaliana]		

Seq. No.	12628	Seq. ID	OJ990430_06.9C03.C23
Gene No.	26743	Strand	-
Start	890	End	1308
Name	OJ990430_06.9C03.C23.o1.tc	Method	TBLASTX:Cress
Start	894	End	1143
GI	none	Score	110
Exons	894..1034, 896..1033, 1117..1143,	1117..1143	

Seq. No.	12628	Seq. ID	OJ990430_06.9C03.C23
Gene No.	26743	Strand	-
Start	890	End	1308
Name	OJ990430_06.9C03.C23.o1.tm	Method	TBLASTX:Maize
Start	894	End	1158
GI	none	Score	125

Exons	894..1064, 896..1030, 1126..1158		
Seq. No.	12628	Seq. ID	OJ990430_06.9C03.C23
Gene No.	26743	Strand	-
Start	890	End	1308
Name	OJ990430_06.9C03.C23.o1.ts	Method	TBLASTX:Soybean
Start	896	End	1159
GI	none	Score	113
Exons	896..1033, 897..1031, 1114..1158, 1115..1159		
Seq. No.	12629	Seq. ID	OJ990430_06.9C03.C24
Gene No.	26744	Strand	+
Start	1943	End	2157
Name	OJ990430_06.9C03.C24.o2.np	Method	AAT/NAP
Start	1943	End	2157
GI	6539586	Score	257
Exons	1943..2157		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	12629	Seq. ID	OJ990430_06.9C03.C24
Gene No.	26745	Strand	-
Start	153	End	2157
Name	OJ990430_06.9C03.C24.o1.gs	Method	GENSCAN
Start	153	End	2034
GI	none	Score	.54
Exons	153..324, 719..761, 1574..1688, 1962..2034		
Seq. No.	12629	Seq. ID	OJ990430_06.9C03.C24
Gene No.	26745	Strand	-
Start	153	End	2157
Name	OJ990430_06.9C03.C24.o1.np	Method	AAT/NAP
Start	271	End	2157
GI	5042454	Score	241
Exons	271..331, 725..890, 1574..1712, 1913..2157		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	12630	Seq. ID	OJ990430_06.9C03.C25
Gene No.	26746	Strand	-
Start	61	End	467
Name	OJ990430_06.9C03.C25.o1.gs	Method	GENSCAN
Start	61	End	467
GI	none	Score	.51
Exons	61..467		
Seq. No.	12631	Seq. ID	OJ990430_06.9C03.C31
Gene No.	26747	Strand	+
Start	189	End	307
Name	OJ990430_06.9C03.C31.o1.gs	Method	GENSCAN
Start	189	End	307
GI	none	Score	.83
Exons	189..307		
Seq. No.	12632	Seq. ID	OJ990430_06.9C03.C34
Gene No.	26748	Strand	-
Start	681	End	950
Name	OJ990430_06.9C03.C34.o1.gs	Method	GENSCAN
Start	681	End	950

GI	none	Score	.44
Exons	681..950		

Seq. No.	12633	Seq. ID	OJ990430_06.9C03.C37
Gene No.	26749	Strand	+
Start	1	End	1039
Name	OJ990430_06.9C03.C37.o1.np	Method	AAT/NAP
Start	1	End	1039
GI	6598436	Score	461
Exons	1..98, 488..773, 955..1039		
GI Descrip.	(AC004683) putative ammonium transporter [Arabidopsis thaliana]		

Seq. No.	12633	Seq. ID	OJ990430_06.9C03.C37
Gene No.	26749	Strand	+
Start	1	End	1039
Name	OJ990430_06.9C03.C37.o1.ts	Method	TBLASTX:Soybean
Start	487	End	799
GI	none	Score	68
Exons	487..738, 488..529, 602..739, 697..798, 731..799		

Seq. No.	12633	Seq. ID	OJ990430_06.9C03.C37
Gene No.	26749	Strand	+
Start	1	End	1039
Name	OJ990430_06.9C03.C37.o1.tw	Method	TBLASTX:Wheat
Start	487	End	706
GI	none	Score	90
Exons	487..549, 488..679, 602..706		

Seq. No.	12633	Seq. ID	OJ990430_06.9C03.C37
Gene No.	26749	Strand	+
Start	1	End	1039
Name	OJ990430_06.9C03.C37.o1.gs	Method	GENSCAN
Start	488	End	773
GI	none	Score	.89
Exons	488..773		

Seq. No.	12633	Seq. ID	OJ990430_06.9C03.C37
Gene No.	26749	Strand	+
Start	1	End	1039
Name	OJ990430_06.9C03.C37.o1.tm	Method	TBLASTX:Maize
Start	503	End	775
GI	none	Score	49
Exons	503..679, 505..546, 508..774, 602..775		

Seq. No.	12633	Seq. ID	OJ990430_06.9C03.C37
Gene No.	26749	Strand	+
Start	1	End	1039
Name	OJ990430_06.9C03.C37.o1.tc	Method	TBLASTX:Cress
Start	514	End	790
GI	none	Score	245
Exons	514..789, 602..790		

Seq. No.	12634	Seq. ID	OJ990430_06.9C03.C40
Gene No.	26750	Strand	-
Start	1	End	275
Name	OJ990430_06.9C03.C40.o1.gp	Method	AAT/GAP
Start	1	End	275

GI	49602_1.R1084	Score	509
Exons	1..275		
GI Descrip.	'517492/emb|X78846|ZM38G1 6.0e-15 Z.Mays Zm38 gene, intron'		

Seq. No.	12635	Seq. ID	OJ990430_06.9C03.C41
Gene No.	26751	Strand	+
Start	1	End	99
Name	OJ990430_06.9C03.C41.o1.np	Method	AAT/NAP
Start	1	End	99
GI	5042454	Score	81
Exons	1..99		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	12635	Seq. ID	OJ990430_06.9C03.C41
Gene No.	26752	Strand	+
Start	46	End	771
Name	OJ990430_06.9C03.C41.o1.gs	Method	GENSCAN
Start	46	End	771
GI	none	Score	.79
Exons	46..217, 704..771		

Seq. No.	12636	Seq. ID	OJ990430_06.9C03.C43
Gene No.	26753	Strand	+
Start	10	End	216
Name	OJ990430_06.9C03.C43.o1.gs	Method	GENSCAN
Start	10	End	216
GI	none	Score	.44
Exons	10..216		

Seq. No.	12637	Seq. ID	OJ990430_06.9C03.C44
Gene No.	26754	Strand	-
Start	514	End	1104
Name	OJ990430_06.9C03.C44.o1.gs	Method	GENSCAN
Start	514	End	1104
GI	none	Score	.7
Exons	514..587, 861..864, 1012..1104		

Seq. No.	12638	Seq. ID	OJ990430_06.9C03.C45
Gene No.	26755	Strand	-
Start	1	End	849
Name	OJ990430_06.9C03.C45.o1.np	Method	AAT/NAP
Start	1	End	849
GI	4587987	Score	204
Exons	1..158, 263..322, 828..849		
GI Descrip.	(AF085279) hypothetical Ser-Thr protein kinase [Arabidopsis thaliana] gi|6598931|gb|AAF18726.1|AC018721_1 (AC018721) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	12638	Seq. ID	OJ990430_06.9C03.C45
Gene No.	26755	Strand	-
Start	1	End	849
Name	OJ990430_06.9C03.C45.o1.tw	Method	TBLASTX:Wheat
Start	2	End	152
GI	none	Score	118
Exons	2..151, 3..152		

Seq. No.	12638	Seq. ID	OJ990430_06.9C03.C45

Gene No.	26755	Strand	-
Start	1	End	849
Name	OJ990430_06.9C03.C45.o1.ts	Method	TBLASTX:Soybean
Start	2	End	306
GI	none	Score	148
Exons	2..160, 3..161, 262..306		

Seq. No.	12638	Seq. ID	OJ990430_06.9C03.C45
Gene No.	26755	Strand	-
Start	1	End	849
Name	OJ990430_06.9C03.C45.o1.tm	Method	TBLASTX:Maize
Start	2	End	306
GI	none	Score	134
Exons	2..160, 3..161, 262..306		

Seq. No.	12638	Seq. ID	OJ990430_06.9C03.C45
Gene No.	26755	Strand	-
Start	1	End	849
Name	OJ990430_06.9C03.C45.o1.gs	Method	GENSCAN
Start	298	End	563
GI	none	Score	.41
Exons	298..563		

Seq. No.	12639	Seq. ID	OJ990430_06.9C03.C47
Gene No.	26756	Strand	+
Start	414	End	1139
Name	OJ990430_06.9C03.C47.o1.gs	Method	GENSCAN
Start	414	End	1139
GI	none	Score	.75
Exons	414..432, 524..784, 956..1139		

Seq. No.	12640	Seq. ID	OJ990430_06.9C03.C48
Gene No.	26757	Strand	-
Start	657	End	754
Name	OJ990430_06.9C03.C48.o1.gs	Method	GENSCAN
Start	657	End	754
GI	none	Score	.78
Exons	657..754		

Seq. No.	12641	Seq. ID	OJ990430_06.9C03.C49
Gene No.	26758	Strand	-
Start	325	End	1793
Name	OJ990430_06.9C03.C49.o1.gs	Method	GENSCAN
Start	325	End	1532
GI	none	Score	.97
Exons	325..748, 864..965, 983..1075, 1300..1532		

Seq. No.	12641	Seq. ID	OJ990430_06.9C03.C49
Gene No.	26758	Strand	-
Start	325	End	1793
Name	OJ990430_06.9C03.C49.o1.np	Method	AAT/NAP
Start	342	End	1793
GI	5731754	Score	278
Exons	342..412, 440..752, 1682..1793		
GI Descrip.	(AL109819) putative protein [Arabidopsis thaliana]		

Seq. No.	12641	Seq. ID	OJ990430_06.9C03.C49

Gene No.	26759	Strand	-
Start	1872	End	2222
Name	OJ990430_06.9C03.C49.o1.ts	Method	TBLASTX:Soybean
Start	340	End	751
GI	none	Score	46
Exons	340..393, 505..534, 509..571,	583..726,	584..751

Seq. No.	12641	Seq. ID	OJ990430_06.9C03.C49
Gene No.	26759	Strand	-
Start	1872	End	2222
Name	OJ990430_06.9C03.C49.o1.gp	Method	AAT/GAP
Start	1872	End	2222
GI	67576_1.R1084	Score	677
Exons	1872..2222		
GI Descrip.	'4510386/gb|AAD21474.1| 2.0e-10 (AC007017) unknown protein [Arabidopsis thaliana]'		

Seq. No.	12642	Seq. ID	OJ990430_06.9C03.C51
Gene No.	26760	Strand	+
Start	1	End	1244
Name	OJ990430_06.9C03.C51.o1.np	Method	AAT/NAP
Start	1	End	1244
GI	6498441	Score	1333
Exons	1..516, 580..953, 1137..1244		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	12642	Seq. ID	OJ990430_06.9C03.C51
Gene No.	26760	Strand	+
Start	1	End	1244
Name	OJ990430_06.9C03.C51.o2.tw	Method	TBLASTX:Wheat
Start	15	End	423
GI	none	Score	357
Exons	15..110, 19..423, 132..392, 142..396		

Seq. No.	12642	Seq. ID	OJ990430_06.9C03.C51
Gene No.	26760	Strand	+
Start	1	End	1244
Name	OJ990430_06.9C03.C51.o1.tw	Method	TBLASTX:Wheat
Start	587	End	1050
GI	none	Score	211
Exons	587..1045, 588..1043, 589..1050,	589..1044	

Seq. No.	12642	Seq. ID	OJ990430_06.9C03.C51
Gene No.	26760	Strand	+
Start	1	End	1244
Name	OJ990430_06.9C03.C51.o1.ts	Method	TBLASTX:Soybean
Start	628	End	993
GI	none	Score	114
Exons	628..852, 859..993		

Seq. No.	12642	Seq. ID	OJ990430_06.9C03.C51
Gene No.	26760	Strand	+
Start	1	End	1244
Name	OJ990430_06.9C03.C51.o1.tm	Method	TBLASTX:Maize
Start	718	End	1074

GI	none	Score	384
Exons	718..1074, 753..1064, 958..1074		

Seq. No.	12643	Seq. ID	OJ990430_06.9C03.C52
Gene No.	26761	Strand	+
Start	1	End	313
Name	OJ990430_06.9C03.C52.o1.np	Method	AAT/NAP
Start	1	End	234
GI	6721516	Score	103
Exons	1..234		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	12643	Seq. ID	OJ990430_06.9C03.C52
Gene No.	26761	Strand	+
Start	1	End	313
Name	OJ990430_06.9C03.C52.o1.gs	Method	GENSCAN
Start	43	End	313
GI	none	Score	.47
Exons	43..149, 178..313		

Seq. No.	12644	Seq. ID	OJ990430_06.9C03.C53
Gene No.	26762	Strand	+
Start	6551	End	10726
Name	OJ990430_06.9C03.C53.o4.np	Method	AAT/NAP
Start	6551	End	10726
GI	6721516	Score	592
Exons	6551..6580, 8324..8565, 8976..9305, 10706..10726		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	12644	Seq. ID	OJ990430_06.9C03.C53
Gene No.	26763	Strand	+
Start	10759	End	14017
Name	OJ990430_06.9C03.C53.o5.np	Method	AAT/NAP
Start	10759	End	14017
GI	6069653	Score	659
Exons	10759..10824, 11329..12292, 12324..12779, 12979..13196, 13925..14017		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	12644	Seq. ID	OJ990430_06.9C03.C53
Gene No.	26763	Strand	+
Start	10759	End	14017
Name	OJ990430_06.9C03.C53.o2.gs	Method	GENSCAN
Start	11371	End	13047
GI	none	Score	.57
Exons	11371..11490, 11597..12345, 12521..12608, 12748..13047		

Seq. No.	12644	Seq. ID	OJ990430_06.9C03.C53
Gene No.	26764	Strand	-
Start	594	End	10644
Name	OJ990430_06.9C03.C53.o1.gs	Method	GENSCAN
Start	594	End	10644
GI	none	Score	.45
Exons	594..1703, 1916..1976, 2286..2342, 2768..2796, 3399..3839, 4031..4221, 4294..5758, 5930..6089, 6310..7221, 7426..8107, 8554..8655, 9077..9186, 9745..9886, 10598..10644		

Seq. No.	12644	Seq. ID	OJ990430_06.9C03.C53
Gene No.	26764	Strand	-
Start	594	End	10644
Name	OJ990430_06.9C03.C53.o1.np	Method	AAT/NAP
Start	3349	End	6032
GI	4416302	Score	2430
Exons	3349..6032		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	12644	Seq. ID	OJ990430_06.9C03.C53
Gene No.	26765	Strand	-
Start	12291	End	14017
Name	OJ990430_06.9C03.C53.o1.tm	Method	TBLASTX:Maize
Start	3269	End	4007
GI	none	Score	87
Exons	3269..3298, 3330..3452, 3339..3452, 3341..3859, 3355..3858, 3878..4000, 3879..4007, 3880..4005		

Seq. No.	12644	Seq. ID	OJ990430_06.9C03.C53
Gene No.	26765	Strand	-
Start	12291	End	14017
Name	OJ990430_06.9C03.C53.o1.ts	Method	TBLASTX:Soybean
Start	3367	End	3998
GI	none	Score	65
Exons	3367..3591, 3416..3583, 3625..3855, 3625..3858, 3632..3859, 3879..3998		

Seq. No.	12644	Seq. ID	OJ990430_06.9C03.C53
Gene No.	26765	Strand	-
Start	12291	End	14017
Name	OJ990430_06.9C03.C53.o1.tc	Method	TBLASTX:Cress
Start	3370	End	3828
GI	none	Score	68
Exons	3370..3615, 3422..3589, 3601..3735, 3739..3828		

Seq. No.	12644	Seq. ID	OJ990430_06.9C03.C53
Gene No.	26765	Strand	-
Start	12291	End	14017
Name	OJ990430_06.9C03.C53.o3.tw	Method	TBLASTX:Wheat
Start	3403	End	3819
GI	none	Score	57
Exons	3403..3591, 3416..3535, 3610..3819, 3614..3715		

Seq. No.	12644	Seq. ID	OJ990430_06.9C03.C53
Gene No.	26765	Strand	-
Start	12291	End	14017
Name	OJ990430_06.9C03.C53.o6.tm	Method	TBLASTX:Maize
Start	4008	End	4200
GI	none	Score	196
Exons	4008..4199, 4009..4200		

Seq. No.	12644	Seq. ID	OJ990430_06.9C03.C53
Gene No.	26765	Strand	-
Start	12291	End	14017
Name	OJ990430_06.9C03.C53.o2.ts	Method	TBLASTX:Soybean
Start	4240	End	4568
GI	5509260	Score	58

Exons	4240..4311, 4241..4312, 4299..4568, 4300..4473		
GI Descrip.	-		
Seq. No.	12644	Seq. ID	OJ990430_06.9C03.C53
Gene No.	26765	Strand	-
Start	12291	End	14017
Name	OJ990430_06.9C03.C53.o4.tm	Method	TBLASTX:Maize
Start	4282	End	4583
GI	none	Score	199
Exons	4282..4563, 4299..4346, 4335..4583		
Seq. No.	12644	Seq. ID	OJ990430_06.9C03.C53
Gene No.	26765	Strand	-
Start	12291	End	14017
Name	OJ990430_06.9C03.C53.o2.tm	Method	TBLASTX:Maize
Start	4584	End	5444
GI	none	Score	48
Exons	4584..4772, 4656..4694, 4755..5372, 4756..5373, 5371..5418, 5373..5444		
Seq. No.	12644	Seq. ID	OJ990430_06.9C03.C53
Gene No.	26765	Strand	-
Start	12291	End	14017
Name	OJ990430_06.9C03.C53.o4.tw	Method	TBLASTX:Wheat
Start	4767	End	5021
GI	none	Score	60
Exons	4767..4937, 4769..4927, 4791..4928, 4953..5021		
Seq. No.	12644	Seq. ID	OJ990430_06.9C03.C53
Gene No.	26765	Strand	-
Start	12291	End	14017
Name	OJ990430_06.9C03.C53.o3.ts	Method	TBLASTX:Soybean
Start	4803	End	5264
GI	none	Score	55
Exons	4803..5264, 4855..5007, 5074..5193		
Seq. No.	12644	Seq. ID	OJ990430_06.9C03.C53
Gene No.	26765	Strand	-
Start	12291	End	14017
Name	OJ990430_06.9C03.C53.o2.tc	Method	TBLASTX:Cress
Start	4806	End	5219
GI	none	Score	196
Exons	4806..5219		
Seq. No.	12644	Seq. ID	OJ990430_06.9C03.C53
Gene No.	26765	Strand	-
Start	12291	End	14017
Name	OJ990430_06.9C03.C53.o1.tw	Method	TBLASTX:Wheat
Start	5106	End	5681
GI	none	Score	124
Exons	5106..5393, 5115..5393, 5424..5681, 5433..5678		
Seq. No.	12644	Seq. ID	OJ990430_06.9C03.C53
Gene No.	26765	Strand	-
Start	12291	End	14017
Name	OJ990430_06.9C03.C53.o3.tm	Method	TBLASTX:Maize
Start	5449	End	5841

GI	none	Score	155
Exons	5449..5721, 5451..5717, 5528..5722, 5530..5721, 5710..5841, 5712..5840		

Seq. No.	12644	Seq. ID	OJ990430_06.9C03.C53
Gene No.	26765	Strand	-
Start	12291	End	14017
Name	OJ990430_06.9C03.C53.o2.tw	Method	TBLASTX:Wheat
Start	5751	End	6068
GI	none	Score	93
Exons	5751..6068, 5833..6054		

Seq. No.	12644	Seq. ID	OJ990430_06.9C03.C53
Gene No.	26765	Strand	-
Start	12291	End	14017
Name	OJ990430_06.9C03.C53.o5.tm	Method	TBLASTX:Maize
Start	5844	End	6204
GI	none	Score	82
Exons	5844..6083, 5851..5979, 6007..6075, 6110..6202, 6112..6204		

Seq. No.	12644	Seq. ID	OJ990430_06.9C03.C53
Gene No.	26765	Strand	-
Start	12291	End	14017
Name	OJ990430_06.9C03.C53.o4.ts	Method	TBLASTX:Soybean
Start	5919	End	8100
GI	none	Score	75
Exons	5919..5972, 5997..6062, 6112..6174, 7582..7914, 7978..8100		

Seq. No.	12644	Seq. ID	OJ990430_06.9C03.C53
Gene No.	26765	Strand	-
Start	12291	End	14017
Name	OJ990430_06.9C03.C53.o5.tw	Method	TBLASTX:Wheat
Start	7678	End	8061
GI	none	Score	39
Exons	7678..7920, 7817..7906, 7933..8061, 7978..8061		

Seq. No.	12644	Seq. ID	OJ990430_06.9C03.C53
Gene No.	26765	Strand	-
Start	12291	End	14017
Name	OJ990430_06.9C03.C53.o6.np	Method	AAT/NAP
Start	12291	End	14017
GI	1076205	Score	110
Exons	12291..12492, 12532..12900, 13951..14017		
GI Descrip.	hypothetical protein WP6 - Chlamydomonas eugametos gi|530878 (L29028) amino acid feature: N-glycosylation sites, aa 41 .. 43, 46 .. 48, 51 .. 53, 72 .. 74, 107 .. 109, 128 .. 130, 132 .. 134, 158 .. 160, 163 .. 165; amino acid feature: Rod protein domain, aa 169 .. 340; amino acid feature: globular pro...		

Seq. No.	12645	Seq. ID	OJ990430_06.9C03.C54
Gene No.	26766	Strand	+
Start	209	End	317
Name	OJ990430_06.9C03.C54.o1.gs	Method	GENSCAN
Start	209	End	317
GI	none	Score	.53
Exons	209..317		

Seq. No.	12645	Seq. ID	OJ990430_06.9C03.C54
Gene No.	26767	Strand	-
Start	2408	End	4058
Name	OJ990430_06.9C03.C54.o2.gs	Method	GENSCAN
Start	2408	End	4058
GI	none	Score	.57
Exons	2408..2436, 3524..4058		

Seq. No.	12645	Seq. ID	OJ990430_06.9C03.C54
Gene No.	26767	Strand	-
Start	2408	End	4058
Name	OJ990430_06.9C03.C54.o1.np	Method	AAT/NAP
Start	3627	End	4028
GI	6523044	Score	151
Exons	3627..3718, 3796..4028		
GI Descrip.	(AL132976) putative protein [Arabidopsis thaliana]		

Seq. No.	12645	Seq. ID	OJ990430_06.9C03.C54
Gene No.	26767	Strand	-
Start	2408	End	4058
Name	OJ990430_06.9C03.C54.o1.ts	Method	TBLASTX:Soybean
Start	3873	End	4025
GI	none	Score	76
Exons	3873..4025, 3874..3948, 3975..4013		

Seq. No.	12646	Seq. ID	OJ990430_06.9C03.C55
Gene No.	26768	Strand	+
Start	1	End	2446
Name	OJ990430_06.9C03.C55.o1.np	Method	AAT/NAP
Start	1	End	2446
GI	5852093	Score	43
Exons	1..68, 581..724, 2427..2446		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	12646	Seq. ID	OJ990430_06.9C03.C55
Gene No.	26769	Strand	+
Start	3070	End	3705
Name	OJ990430_06.9C03.C55.o1.gs	Method	GENSCAN
Start	3070	End	3639
GI	none	Score	.99
Exons	3070..3639		

Seq. No.	12646	Seq. ID	OJ990430_06.9C03.C55
Gene No.	26769	Strand	+
Start	3070	End	3705
Name	OJ990430_06.9C03.C55.o2.np	Method	AAT/NAP
Start	3086	End	3705
GI	3790573	Score	190
Exons	3086..3239, 3306..3705		
GI Descrip.	(AF078824) RING-H2 finger protein RHA3a [Arabidopsis thaliana] gi|4914367|gb|AAD32903.1|AC007584_1 (AC007584) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	12647	Seq. ID	OJ990430_06.9C03.C56
Gene No.	26770	Strand	-
Start	1233	End	3417
Name	OJ990430_06.9C03.C56.o1.np	Method	AAT/NAP

Start	1233	End	3417
GI	6598934	Score	292
Exons	1233..1584, 3395..3417		
GI Descrip.	(AC018721) unknown protein [Arabidopsis thaliana]		

Seq. No.	12647	Seq. ID	OJ990430_06.9C03.C56
Gene No.	26770	Strand	-
Start	1233	End	3417
Name	OJ990430_06.9C03.C56.o1.ts	Method	TBLASTX:Soybean
Start	1236	End	1581
GI	none	Score	213
Exons	1236..1454, 1240..1440, 1452..1580, 1462..1581		

Seq. No.	12647	Seq. ID	OJ990430_06.9C03.C56
Gene No.	26770	Strand	-
Start	1233	End	3417
Name	OJ990430_06.9C03.C56.o1.tc	Method	TBLASTX:Cress
Start	1257	End	1448
GI	none	Score	72
Exons	1257..1427, 1257..1448, 1267..1440		

Seq. No.	12647	Seq. ID	OJ990430_06.9C03.C56
Gene No.	26770	Strand	-
Start	1233	End	3417
Name	OJ990430_06.9C03.C56.o1.tm	Method	TBLASTX:Maize
Start	1303	End	1584
GI	none	Score	181
Exons	1303..1443, 1305..1451, 1363..1452, 1408..1575, 1455..1583, 1456..1584		

Seq. No.	12648	Seq. ID	OJ990430_06.9C03.C57
Gene No.	26771	Strand	+
Start	311	End	703
Name	OJ990430_06.9C03.C57.o1.gp	Method	AAT/GAP
Start	311	End	703
GI	none	Score	778
Exons	311..703		

Seq. No.	12648	Seq. ID	OJ990430_06.9C03.C57
Gene No.	26772	Strand	-
Start	532	End	1836
Name	OJ990430_06.9C03.C57.o1.gs	Method	GENSCAN
Start	532	End	1749
GI	none	Score	.97
Exons	532..1749		

Seq. No.	12648	Seq. ID	OJ990430_06.9C03.C57
Gene No.	26772	Strand	-
Start	532	End	1836
Name	OJ990430_06.9C03.C57.o1.ts	Method	TBLASTX:Soybean
Start	571	End	1620
GI	none	Score	186
Exons	571..924, 713..913, 1474..1620		

Seq. No.	12648	Seq. ID	OJ990430_06.9C03.C57
Gene No.	26772	Strand	-
Start	532	End	1836

Name	OJ990430_06.9C03.C57.o1.tc	Method	TBLASTX:Cress
Start	709	End	1620
GI	none	Score	79
Exons	709..1119, 736..1050, 737..1105, 1522..1620		

Seq. No.	12648	Seq. ID	OJ990430_06.9C03.C57
Gene No.	26772	Strand	-
Start	532	End	1836
Name	OJ990430_06.9C03.C57.o2.ts	Method	TBLASTX:Soybean
Start	1036	End	1389
GI	none	Score	110
Exons	1036..1389, 1036..1386, 1039..1293, 1063..1386, 1132..1386, 1189..1386		

Seq. No.	12648	Seq. ID	OJ990430_06.9C03.C57
Gene No.	26772	Strand	-
Start	532	End	1836
Name	OJ990430_06.9C03.C57.o1.tm	Method	TBLASTX:Maize
Start	1450	End	1836
GI	none	Score	66
Exons	1450..1626, 1690..1737, 1702..1836, 1702..1752, 1703..1834, 1792..1836		

Seq. No.	12649	Seq. ID	OJ990430_06.9C03.C58
Gene No.	26773	Strand	-
Start	6	End	1602
Name	OJ990430_06.9C03.C58.o1.gs	Method	GENSCAN
Start	6	End	1602
GI	none	Score	.93
Exons	6..205, 987..1602		

Seq. No.	12650	Seq. ID	OJ990430_06.9C03.C59
Gene No.	26774	Strand	+
Start	762	End	1031
Name	OJ990430_06.9C03.C59.o1.gs	Method	GENSCAN
Start	762	End	1031
GI	none	Score	.81
Exons	762..825, 935..1031		

Seq. No.	12651	Seq. ID	OJ990430_06.9C03.C60
Gene No.	26775	Strand	-
Start	1	End	472
Name	OJ990430_06.9C03.C60.o1.np	Method	AAT/NAP
Start	1	End	472
GI	1314711	Score	425
Exons	1..240, 320..472		
GI Descrip.	(U54615) calcium-dependent protein kinase [Arabidopsis thaliana] gi|3068712|gb|AAC14412.1| (AF049236) calcium dependent protein kinase [Arabidopsis thaliana]		

Seq. No.	12651	Seq. ID	OJ990430_06.9C03.C60
Gene No.	26775	Strand	-
Start	1	End	472
Name	OJ990430_06.9C03.C60.o1.tc	Method	TBLASTX:Cress
Start	60	End	465
GI	none	Score	139
Exons	60..257, 89..256, 91..294, 313..465, 321..464		

Seq. No.	12651	Seq. ID	OJ990430_06.9C03.C60
Gene No.	26775	Strand	-
Start	1	End	472
Name	OJ990430_06.9C03.C60.o1.tm	Method	TBLASTX:Maize
Start	86	End	435
GI	none	Score	133
Exons	86..256, 87..257, 313..435, 321..434		

Seq. No.	12651	Seq. ID	OJ990430_06.9C03.C60
Gene No.	26775	Strand	-
Start	1	End	472
Name	OJ990430_06.9C03.C60.o1.gs	Method	GENSCAN
Start	88	End	463
GI	none	Score	.92
Exons	88..240, 320..463		

Seq. No.	12651	Seq. ID	OJ990430_06.9C03.C60
Gene No.	26775	Strand	-
Start	1	End	472
Name	OJ990430_06.9C03.C60.o1.tw	Method	TBLASTX:Wheat
Start	88	End	465
GI	none	Score	155
Exons	88..249, 89..256, 90..257, 313..465, 320..463, 321..464, 322..465		

Seq. No.	12651	Seq. ID	OJ990430_06.9C03.C60
Gene No.	26775	Strand	-
Start	1	End	472
Name	OJ990430_06.9C03.C60.o1.ts	Method	TBLASTX:Soybean
Start	89	End	465
GI	none	Score	98
Exons	89..235, 89..256, 93..257, 320..463, 321..464, 321..464, 322..465		

Seq. No.	12652	Seq. ID	OJ990430_06.9C03.C61
Gene No.	26776	Strand	+
Start	673	End	902
Name	OJ990430_06.9C03.C61.o1.gs	Method	GENSCAN
Start	673	End	902
GI	none	Score	.54
Exons	673..902		

Seq. No.	12653	Seq. ID	OJ990430_06.9C03.C65
Gene No.	26777	Strand	-
Start	45	End	233
Name	OJ990430_06.9C03.C65.o1.gs	Method	GENSCAN
Start	45	End	233
GI	none	Score	.51
Exons	45..233		

Seq. No.	12654	Seq. ID	OJ990430_06.9C03.C66
Gene No.	26778	Strand	+
Start	1	End	3333
Name	OJ990430_06.9C03.C66.o1.np	Method	AAT/NAP
Start	1	End	3040
GI	1314711	Score	1081

Exons	1..246, 326..478, 866..981, 1094..1261, 2572..2638, 2714..2802, 2894..3040		
GI Descrip.	(U54615) calcium-dependent protein kinase [Arabidopsis thaliana] gi|3068712|gb|AAC14412.1| (AF049236) calcium dependent protein kinase [Arabidopsis thaliana]		
Seq. No.	12654	Seq. ID	OJ990430_06.9C03.C66
Gene No.	26778	Strand	+
Start	1	End	3333
Name	OJ990430_06.9C03.C66.o1.ts	Method	TBLASTX:Soybean
Start	101	End	3045
GI	none	Score	261
Exons	101..244, 102..245, 103..246, 309..473, 310..477, 331..477, 864..929, 865..984, 868..996, 1093..1263, 1094..1264, 2554..2802, 2558..2755, 2572..2802, 2887..3045, 2891..3043		
Seq. No.	12654	Seq. ID	OJ990430_06.9C03.C66
Gene No.	26778	Strand	+
Start	1	End	3333
Name	OJ990430_06.9C03.C66.o2.tc	Method	TBLASTX:Cress
Start	101	End	984
GI	none	Score	253
Exons	101..253, 102..245, 272..475, 309..506, 310..477, 864..926, 865..984, 865..972		
Seq. No.	12654	Seq. ID	OJ990430_06.9C03.C66
Gene No.	26778	Strand	+
Start	1	End	3333
Name	OJ990430_06.9C03.C66.o1.tw	Method	TBLASTX:Wheat
Start	101	End	897
GI	none	Score	175
Exons	101..244, 101..253, 102..245, 103..246, 309..476, 310..477, 325..477, 865..897		
Seq. No.	12654	Seq. ID	OJ990430_06.9C03.C66
Gene No.	26778	Strand	+
Start	1	End	3333
Name	OJ990430_06.9C03.C66.o1.gs	Method	GENSCAN
Start	103	End	3043
GI	none	Score	.92
Exons	103..246, 326..478, 866..981, 1094..1261, 2572..2802, 2894..3043		
Seq. No.	12654	Seq. ID	OJ990430_06.9C03.C66
Gene No.	26778	Strand	+
Start	1	End	3333
Name	OJ990430_06.9C03.C66.o2.tm	Method	TBLASTX:Maize
Start	131	End	480
GI	none	Score	213
Exons	131..253, 132..245, 309..479, 310..480, 334..480		
Seq. No.	12654	Seq. ID	OJ990430_06.9C03.C66
Gene No.	26778	Strand	+
Start	1	End	3333
Name	OJ990430_06.9C03.C66.o1.tm	Method	TBLASTX:Maize
Start	864	End	3191
GI	none	Score	209
Exons	864..929, 865..984, 868..984, 1083..1262, 1093..1263,		

1093..1263, 1094..1264, 1094..1264, 2554..2802, 2572..2802, 2653..2799, 2774..2809, 2886..3041, 2887..3042, 2891..3043, 2891..3043, 3162..3191, 3165..3188

Seq. No.	12654	Seq. ID	OJ990430_06.9C03.C66
Gene No.	26778	Strand	+
Start	1	End	3333
Name	OJ990430_06.9C03.C66.o1.gp	Method	AAT/GAP
Start	940	End	3333
GI	21335_1.R1084	Score	1641
Exons	940..981, 1094..1261, 2572..2802, 2894..3333		
GI Descrip.	'1314712 4.0e-69 (U54615) calcium-dependent protein kinase [Arabidopsis thaliana]'		

Seq. No.	12654	Seq. ID	OJ990430_06.9C03.C66
Gene No.	26778	Strand	+
Start	1	End	3333
Name	OJ990430_06.9C03.C66.o1.tc	Method	TBLASTX:Cress
Start	1094	End	3043
GI	none	Score	204
Exons	1094..1264, 1094..1171, 1096..1263, 1114..1194, 1124..1192, 2408..2479, 2554..2802, 2572..2802, 2866..3042, 2891..3043		

Seq. No.	12654	Seq. ID	OJ990430_06.9C03.C66
Gene No.	26778	Strand	+
Start	1	End	3333
Name	OJ990430_06.9C03.C66.o2.tw	Method	TBLASTX:Wheat
Start	2769	End	3159
GI	none	Score	44
Exons	2769..2804, 2770..2802, 2887..3033, 2891..3049, 3109..3159, 3121..3159		

Seq. No.	12655	Seq. ID	OJ990430_06.9C03.C69
Gene No.	26779	Strand	-
Start	736	End	1928
Name	OJ990430_06.9C03.C69.o3.ts	Method	TBLASTX:Soybean
Start	688	End	1053
GI	none	Score	244
Exons	688..765, 841..1053		

Seq. No.	12655	Seq. ID	OJ990430_06.9C03.C69
Gene No.	26779	Strand	-
Start	736	End	1928
Name	OJ990430_06.9C03.C69.o1.gs	Method	GENSCAN
Start	736	End	1915
GI	none	Score	.77
Exons	736..1292, 1378..1663, 1757..1915		

Seq. No.	12655	Seq. ID	OJ990430_06.9C03.C69
Gene No.	26779	Strand	-
Start	736	End	1928
Name	OJ990430_06.9C03.C69.o1.np	Method	AAT/NAP
Start	739	End	1928
GI	6598436	Score	1165
Exons	739..1292, 1378..1663, 1757..1928		
GI Descrip.	(AC004683) putative ammonium transporter [Arabidopsis thaliana]		

Seq. No.	12655	Seq. ID	OJ990430_06.9C03.C69
Gene No.	26779	Strand	-
Start	736	End	1928
Name	OJ990430_06.9C03.C69.o1.tm	Method	TBLASTX:Maize
Start	953	End	1318
GI	none	Score	345
Exons	953..1318, 955..1296		

Seq. No.	12655	Seq. ID	OJ990430_06.9C03.C69
Gene No.	26779	Strand	-
Start	736	End	1928
Name	OJ990430_06.9C03.C69.o2.ts	Method	TBLASTX:Soybean
Start	1055	End	1297
GI	none	Score	229
Exons	1055..1297, 1057..1296		

Seq. No.	12655	Seq. ID	OJ990430_06.9C03.C69
Gene No.	26779	Strand	-
Start	736	End	1928
Name	OJ990430_06.9C03.C69.o2.tm	Method	TBLASTX:Maize
Start	1361	End	1648
GI	none	Score	60
Exons	1361..1498, 1361..1549, 1377..1643, 1598..1648, 1605..1646		

Seq. No.	12655	Seq. ID	OJ990430_06.9C03.C69
Gene No.	26779	Strand	-
Start	736	End	1928
Name	OJ990430_06.9C03.C69.o1.ts	Method	TBLASTX:Soybean
Start	1364	End	1928
GI	none	Score	220
Exons	1364..1420, 1412..1549, 1413..1664, 1622..1663, 1745..1927, 1755..1928		

Seq. No.	12655	Seq. ID	OJ990430_06.9C03.C69
Gene No.	26779	Strand	-
Start	736	End	1928
Name	OJ990430_06.9C03.C69.o1.tc	Method	TBLASTX:Cress
Start	1371	End	1637
GI	none	Score	195
Exons	1371..1637, 1376..1549		

Seq. No.	12655	Seq. ID	OJ990430_06.9C03.C69
Gene No.	26779	Strand	-
Start	736	End	1928
Name	OJ990430_06.9C03.C69.o1.tw	Method	TBLASTX:Wheat
Start	1445	End	1810
GI	none	Score	228
Exons	1445..1549, 1446..1664, 1602..1670, 1745..1810, 1754..1810		

Seq. No.	12656	Seq. ID	OJ990430_06.9C03.C70
Gene No.	26780	Strand	-
Start	1	End	584
Name	OJ990430_06.9C03.C70.o1.np	Method	AAT/NAP
Start	1	End	584
GI	6598436	Score	365
Exons	1..584		
GI Descrip.	(AC004683) putative ammonium transporter [Arabidopsis thaliana]		

Seq. No.	12656	Seq. ID	OJ990430_06.9C03.C70
Gene No.	26780	Strand	-
Start	1	End	584
Name	OJ990430_06.9C03.C70.o1.ts	Method	TBLASTX:Soybean
Start	141	End	453
GI	none	Score	56
Exons	141..209, 142..243, 201..338,	202..453,	411..452

Seq. No.	12656	Seq. ID	OJ990430_06.9C03.C70
Gene No.	26780	Strand	-
Start	1	End	584
Name	OJ990430_06.9C03.C70.o1.tc	Method	TBLASTX:Cress
Start	150	End	426
GI	none	Score	170
Exons	150..338, 151..426		

Seq. No.	12656	Seq. ID	OJ990430_06.9C03.C70
Gene No.	26780	Strand	-
Start	1	End	584
Name	OJ990430_06.9C03.C70.o1.tm	Method	TBLASTX:Maize
Start	165	End	437
GI	none	Score	40
Exons	165..194, 165..338, 166..432,	261..437,	394..435

Seq. No.	12656	Seq. ID	OJ990430_06.9C03.C70
Gene No.	26780	Strand	-
Start	1	End	584
Name	OJ990430_06.9C03.C70.o1.gs	Method	GENSCAN
Start	167	End	452
GI	none	Score	.91
Exons	167..452		

Seq. No.	12656	Seq. ID	OJ990430_06.9C03.C70
Gene No.	26780	Strand	-
Start	1	End	584
Name	OJ990430_06.9C03.C70.o1.tw	Method	TBLASTX:Wheat
Start	234	End	453
GI	none	Score	193
Exons	234..338, 235..453, 391..453		

Seq. No.	12657	Seq. ID	OJ990430_06.9C03.C73
Gene No.	26781	Strand	+
Start	1	End	496
Name	OJ990430_06.9C03.C73.o1.np	Method	AAT/NAP
Start	1	End	496
GI	5042454	Score	184
Exons	1..132, 277..496		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	12658	Seq. ID	OJ990430_06.9C03.C77
Gene No.	26782	Strand	+
Start	746	End	1147
Name	OJ990430_06.9C03.C77.o2.gp	Method	AAT/GAP
Start	746	End	1147
GI	286357	Score	295
Exons	746..796, 1028..1147		

GI Descrip. 517492/emb|X78846|ZM38G1 6.0e-15 Z.Mays Zm38 gene, intron

Seq. No.	12658	Seq. ID	OJ990430_06.9C03.C77
Gene No.	26783	Strand	-
Start	1	End	239
Name	OJ990430_06.9C03.C77.o1.gp	Method	AAT/GAP
Start	1	End	239
GI	568939	Score	470
Exons	1..239		

Seq. No.	12658	Seq. ID	OJ990430_06.9C03.C77
Gene No.	26783	Strand	-
Start	1	End	239
Name	OJ990430_06.9C03.C77.o1.gs	Method	GENSCAN
Start	35	End	214
GI	none	Score	.75
Exons	35..214		

Seq. No.	12658	Seq. ID	OJ990430_06.9C03.C77
Gene No.	26784	Strand	
Start	669	End	1169
Name	OJ990430_06.9C03.C77.o1.tm	Method	TBLASTX:Maize
Start	669	End	1169
GI	none	Score	174
Exons	669..797, 675..797, 680..799, 1008..1169, 1013..1147, 1014..1148, 1024..1152		

Seq. No.	12659	Seq. ID	OJ990430_06.9C03.C78
Gene No.	26785	Strand	+
Start	1	End	461
Name	OJ990430_06.9C03.C78.o1.np	Method	AAT/NAP
Start	1	End	461
GI	4587987	Score	205
Exons	1..139, 282..461		
GI Descrip.	(AF085279) hypothetical Ser-Thr protein kinase [Arabidopsis thaliana] gi|6598931|gb|AAF18726.1|AC018721_1 (AC018721) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	12659	Seq. ID	OJ990430_06.9C03.C78
Gene No.	26786	Strand	+
Start	1231	End	1572
Name	OJ990430_06.9C03.C78.o1.tm	Method	TBLASTX:Maize
Start	279	End	751
GI	none	Score	263
Exons	279..458, 279..458, 280..462, 281..466, 325..459, 458..496, 662..694, 716..751		

Seq. No.	12659	Seq. ID	OJ990430_06.9C03.C78
Gene No.	26786	Strand	+
Start	1231	End	1572
Name	OJ990430_06.9C03.C78.o1.ts	Method	TBLASTX:Soybean
Start	296	End	457
GI	none	Score	189
Exons	296..442, 297..455, 299..457		

Seq. No.	12659	Seq. ID	OJ990430_06.9C03.C78
Gene No.	26786	Strand	+

Start	1231	End	1572
Name	OJ990430_06.9C03.C78.o1.gp	Method	AAT/GAP
Start	1231	End	1572
GI	uC-osflcyp151b02b1	Score	680
Exons	1231..1572		
GI Descrip.	'517492/emb|X78846|ZM38G1 6.0e-15 Z.Mays Zm38 gene, intron'		

Seq. No.	12659	Seq. ID	OJ990430_06.9C03.C78
Gene No.	26786	Strand	+
Start	1231	End	1572
Name	OJ990430_06.9C03.C78.o1.gs	Method	GENSCAN
Start	1244	End	1501
GI	none	Score	.41
Exons	1244..1501		

Seq. No.	12660	Seq. ID	OJ990430_06.9C03.C79
Gene No.	26787	Strand	-
Start	1	End	2800
Name	OJ990430_06.9C03.C79.o1.np	Method	AAT/NAP
Start	1	End	1166
GI	6572958	Score	95
Exons	1..38, 578..695, 912..990, 1068..1166		
GI Descrip.	(AF189776) NLI-interacting factor isoform R5; NLI/Ldb1/CLIM interacting factor [Gallus gallus]		

Seq. No.	12660	Seq. ID	OJ990430_06.9C03.C79
Gene No.	26787	Strand	-
Start	1	End	2800
Name	OJ990430_06.9C03.C79.o1.tm	Method	TBLASTX:Maize
Start	33	End	1334
GI	none	Score	49
Exons	33..89, 33..98, 97..150, 98..145, 223..258, 226..252, 230..259, 311..463, 315..461, 316..462, 320..463, 539..694, 549..698, 555..701, 702..716, 908..991, 909..992, 909..992, 913..993, 919..993, 1060..1182, 1079..1195, 1079..1189, 1080..1196, 1275..1334, 1277..1309		

Seq. No.	12660	Seq. ID	OJ990430_06.9C03.C79
Gene No.	26787	Strand	-
Start	1	End	2800
Name	OJ990430_06.9C03.C79.o1.gp	Method	AAT/GAP
Start	320	End	2756
GI	22778_1.R1084	Score	1908
Exons	320..460, 542..695, 909..990, 1068..1188, 1277..1405, 2311..2756		
GI Descrip.	'2131751/pir||S64841 2.0e-16 hypothetical protein YLR019w - yeast (Saccharomyces cerevisiae) >gi_1360322_emb_CAA97541_ (Z73191) ORF YLR019w [Saccharomyces cerevisiae]'		

Seq. No.	12660	Seq. ID	OJ990430_06.9C03.C79
Gene No.	26787	Strand	-
Start	1	End	2800
Name	OJ990430_06.9C03.C79.o1.ts	Method	TBLASTX:Soybean
Start	325	End	643
GI	none	Score	113
Exons	325..447, 347..463, 348..461, 533..643, 546..638, 569..643		

Seq. No.	12660	Seq. ID	OJ990430_06.9C03.C79

Gene No.	26787	Strand	-
Start	1	End	2800
Name	OJ990430_06.9C03.C79.o1.tc	Method	TBLASTX:Cress
Start	347	End	641
GI	none	Score	113
Exons	347..463, 348..464, 351..467, 352..468, 533..634, 534..635, 561..641		

Seq. No.	12660	Seq. ID	OJ990430_06.9C03.C79
Gene No.	26787	Strand	-
Start	1	End	2800
Name	OJ990430_06.9C03.C79.o2.ts	Method	TBLASTX:Soybean
Start	644	End	1194
GI	none	Score	62
Exons	644..694, 645..698, 908..991, 909..992, 943..1005, 1066..1170, 1067..1162, 1069..1194		

Seq. No.	12660	Seq. ID	OJ990430_06.9C03.C79
Gene No.	26787	Strand	-
Start	1	End	2800
Name	OJ990430_06.9C03.C79.o2.tm	Method	TBLASTX:Maize
Start	2306	End	2800
GI	none	Score	226
Exons	2306..2389, 2308..2532, 2309..2533, 2599..2628, 2600..2629, 2768..2800		

Seq. No.	12661	Seq. ID	OJ990430_06.9C03.C80
Gene No.	26788	Strand	+
Start	1	End	2991
Name	OJ990430_06.9C03.C80.o1.np	Method	AAT/NAP
Start	1	End	2988
GI	6907089	Score	3829
Exons	1..1117, 1218..2988		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	12661	Seq. ID	OJ990430_06.9C03.C80
Gene No.	26788	Strand	+
Start	1	End	2991
Name	OJ990430_06.9C03.C80.o1.gs	Method	GENSCAN
Start	80	End	2991
GI	none	Score	.78
Exons	80..1090, 1252..2991		

Seq. No.	12661	Seq. ID	OJ990430_06.9C03.C80
Gene No.	26789	Strand	-
Start	3622	End	6902
Name	OJ990430_06.9C03.C80.o2.gs	Method	GENSCAN
Start	3622	End	6760
GI	none	Score	.76
Exons	3622..5175, 5242..5364, 5569..6409, 6466..6760		

Seq. No.	12661	Seq. ID	OJ990430_06.9C03.C80
Gene No.	26789	Strand	-
Start	3622	End	6902
Name	OJ990430_06.9C03.C80.o4.tm	Method	TBLASTX:Maize
Start	3622	End	3765
GI	none	Score	126

Exons	3622..3765, 3626..3760		
Seq. No.	12661	Seq. ID	OJ990430_06.9C03.C80
Gene No.	26789	Strand	-
Start	3622	End	6902
Name	OJ990430_06.9C03.C80.o2.np	Method	AAT/NAP
Start	3625	End	6902
GI	6498441	Score	4314
Exons	3625..3906, 4000..5397, 5569..6292, 6466..6600, 6784..6902		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	12661	Seq. ID	OJ990430_06.9C03.C80
Gene No.	26789	Strand	-
Start	3622	End	6902
Name	OJ990430_06.9C03.C80.o5.tw	Method	TBLASTX:Wheat
Start	3634	End	4213
GI	none	Score	77
Exons	3634..3759, 3638..3760, 3820..4188, 3926..4096, 3952..4212, 3953..4210, 4172..4213		
Seq. No.	12661	Seq. ID	OJ990430_06.9C03.C80
Gene No.	26789	Strand	-
Start	3622	End	6902
Name	OJ990430_06.9C03.C80.o2.tw	Method	TBLASTX:Wheat
Start	4217	End	4618
GI	none	Score	238
Exons	4217..4618, 4237..4617		
Seq. No.	12661	Seq. ID	OJ990430_06.9C03.C80
Gene No.	26789	Strand	-
Start	3622	End	6902
Name	OJ990430_06.9C03.C80.o1.tm	Method	TBLASTX:Maize
Start	4432	End	4755
GI	none	Score	210
Exons	4432..4755, 4445..4711		
Seq. No.	12661	Seq. ID	OJ990430_06.9C03.C80
Gene No.	26789	Strand	-
Start	3622	End	6902
Name	OJ990430_06.9C03.C80.o6.tw	Method	TBLASTX:Wheat
Start	4948	End	5260
GI	none	Score	72
Exons	4948..5208, 5084..5260		
Seq. No.	12661	Seq. ID	OJ990430_06.9C03.C80
Gene No.	26789	Strand	-
Start	3622	End	6902
Name	OJ990430_06.9C03.C80.o3.tw	Method	TBLASTX:Wheat
Start	5263	End	5724
GI	none	Score	86
Exons	5263..5412, 5264..5401, 5446..5697, 5447..5632, 5473..5724		
Seq. No.	12661	Seq. ID	OJ990430_06.9C03.C80
Gene No.	26789	Strand	-
Start	3622	End	6902

Name	OJ990430_06.9C03.C80.o1.ts	Method	TBLASTX:Soybean
Start	6130	End	6500
GI	none	Score	83
Exons	6130..6360, 6357..6500, 6358..6483		

Seq. No.	12661	Seq. ID	OJ990430_06.9C03.C80
Gene No.	26789	Strand	-
Start	3622	End	6902
Name	OJ990430_06.9C03.C80.o1.tw	Method	TBLASTX:Wheat
Start	6160	End	6579
GI	none	Score	98
Exons	6160..6366, 6185..6340, 6348..6578, 6349..6579		

Seq. No.	12661	Seq. ID	OJ990430_06.9C03.C80
Gene No.	26789	Strand	-
Start	3622	End	6902
Name	OJ990430_06.9C03.C80.o2.tm	Method	TBLASTX:Maize
Start	6253	End	6636
GI	none	Score	201
Exons	6253..6363, 6351..6635, 6352..6636		

Seq. No.	12661	Seq. ID	OJ990430_06.9C03.C80
Gene No.	26789	Strand	-
Start	3622	End	6902
Name	OJ990430_06.9C03.C80.o3.tm	Method	TBLASTX:Maize
Start	6663	End	6902
GI	none	Score	66
Exons	6663..6779, 6663..6902, 6673..6894, 6807..6896		

Seq. No.	12661	Seq. ID	OJ990430_06.9C03.C80
Gene No.	26789	Strand	-
Start	3622	End	6902
Name	OJ990430_06.9C03.C80.o4.tw	Method	TBLASTX:Wheat
Start	6687	End	6902
GI	none	Score	168
Exons	6687..6902, 6694..6897		

Seq. No.	12662	Seq. ID	OJ990430_06.9C03.C81
Gene No.	26790	Strand	-
Start	1	End	2974
Name	OJ990430_06.9C03.C81.o1.np	Method	AAT/NAP
Start	1	End	2190
GI	6498441	Score	2737
Exons	1..277, 341..804, 1126..2190		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	12662	Seq. ID	OJ990430_06.9C03.C81
Gene No.	26790	Strand	-
Start	1	End	2974
Name	OJ990430_06.9C03.C81.o1.gs	Method	GENSCAN
Start	95	End	2974
GI	none	Score	.88
Exons	95..277, 290..2766, 2803..2974		

Seq. No.	12662	Seq. ID	OJ990430_06.9C03.C81

Gene No.	26791	Strand	-
Start	2921	End	2974
Name	OJ990430_06.9C03.C81.o1.tw	Method	TBLASTX:Wheat
Start	149	End	920
GI	none	Score	146
Exons	149..325, 150..293, 434..919,	461..700,	465..725, 747..920

Seq. No.	12662	Seq. ID	OJ990430_06.9C03.C81
Gene No.	26791	Strand	-
Start	2921	End	2974
Name	OJ990430_06.9C03.C81.o2.tw	Method	TBLASTX:Wheat
Start	1649	End	1987
GI	none	Score	99
Exons	1649..1906, 1683..1922, 1889..1987,	1890..1970	

Seq. No.	12662	Seq. ID	OJ990430_06.9C03.C81
Gene No.	26791	Strand	-
Start	2921	End	2974
Name	OJ990430_06.9C03.C81.o1.tm	Method	TBLASTX:Maize
Start	1751	End	1999
GI	none	Score	188
Exons	1751..1999		

Seq. No.	12662	Seq. ID	OJ990430_06.9C03.C81
Gene No.	26791	Strand	-
Start	2921	End	2974
Name	OJ990430_06.9C03.C81.o2.np	Method	AAT/NAP
Start	2921	End	2974
GI	5042454	Score	78
Exons	2921..2974		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	12663	Seq. ID	OJ990430_06.9C03.C82
Gene No.	26792	Strand	+
Start	1	End	533
Name	OJ990430_06.9C03.C82.o1.np	Method	AAT/NAP
Start	1	End	533
GI	4510387	Score	327
Exons	1..67, 123..533		
GI Descrip.	(AC007017) unknown protein [Arabidopsis thaliana]		

Seq. No.	12663	Seq. ID	OJ990430_06.9C03.C82
Gene No.	26792	Strand	+
Start	1	End	533
Name	OJ990430_06.9C03.C82.o1.gp	Method	AAT/GAP
Start	172	End	485
GI	67576_1.R1084	Score	562
Exons	172..485		
GI Descrip.	'4510386/gb|AAD21474.1| 2.0e-10 (AC007017) unknown protein [Arabidopsis thaliana]'		

Seq. No.	12663	Seq. ID	OJ990430_06.9C03.C82
Gene No.	26793	Strand	-
Start	1547	End	1741
Name	OJ990430_06.9C03.C82.o1.tm	Method	TBLASTX:Maize
Start	137	End	387
GI	none	Score	365

Exons	137..385, 138..386, 138..386, 235..387		
Seq. No.	12663	Seq. ID	OJ990430_06.9C03.C82
Gene No.	26793	Strand	-
Start	1547	End	1741
Name	OJ990430_06.9C03.C82.o1.tw	Method	TBLASTX:Wheat
Start	137	End	278
GI	none	Score	224
Exons	137..271, 138..278		
Seq. No.	12663	Seq. ID	OJ990430_06.9C03.C82
Gene No.	26793	Strand	-
Start	1547	End	1741
Name	OJ990430_06.9C03.C82.o1.ts	Method	TBLASTX:Soybean
Start	137	End	485
GI	none	Score	186
Exons	137..271, 138..275, 264..485, 305..448		
Seq. No.	12663	Seq. ID	OJ990430_06.9C03.C82
Gene No.	26793	Strand	-
Start	1547	End	1741
Name	OJ990430_06.9C03.C82.o1.tc	Method	TBLASTX:Cress
Start	138	End	524
GI	none	Score	190
Exons	138..278, 167..265, 315..452, 344..439, 450..488, 450..524		
Seq. No.	12663	Seq. ID	OJ990430_06.9C03.C82
Gene No.	26793	Strand	-
Start	1547	End	1741
Name	OJ990430_06.9C03.C82.o2.gs	Method	GENSCAN
Start	1547	End	1741
GI	none	Score	.95
Exons	1547..1741		
Seq. No.	12664	Seq. ID	OJ990430_06.9C03.C84
Gene No.	26794	Strand	+
Start	144	End	401
Name	OJ990430_06.9C03.C84.o1.np	Method	AAT/NAP
Start	144	End	401
GI	6325194	Score	41
Exons	144..401		
GI Descrip.	Ypl063wp gi|2132171|pir||S60927 hypothetical protein YPL063w - yeast (Saccharomyces cerevisiae) gi|1079679 (U39205) similar to Caenorhabditis elegans CELF45E12_5 F45E12.1 gene product, encoded by GenBank Accession Number U29536 [Saccharomyces cerevisiae]		
Seq. No.	12664	Seq. ID	OJ990430_06.9C03.C84
Gene No.	26794	Strand	+
Start	144	End	401
Name	OJ990430_06.9C03.C84.o1.tm	Method	TBLASTX:Maize
Start	165	End	327
GI	none	Score	223
Exons	165..311, 168..317, 172..327		
Seq. No.	12665	Seq. ID	OJ990430_06.9C03.C86
Gene No.	26795	Strand	-

Start	1	End	455
Name	OJ990430_06.9C03.C86.o1.np	Method	AAT/NAP
Start	1	End	455
GI	6630685	Score	154
Exons	1..455		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	12666	Seq. ID	OJ990430_06.9C03.C87
Gene No.	26796	Strand	-
Start	1	End	658
Name	OJ990430_06.9C03.C87.o1.np	Method	AAT/NAP
Start	1	End	658
GI	5803259	Score	588
Exons	1..658		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	12666	Seq. ID	OJ990430_06.9C03.C87
Gene No.	26796	Strand	-
Start	1	End	658
Name	OJ990430_06.9C03.C87.o1.gs	Method	GENSCAN
Start	160	End	649
GI	none	Score	.74
Exons	160..649		

Seq. No.	12667	Seq. ID	OJ990430_06.9C03.C88
Gene No.	26797	Strand	-
Start	1	End	554
Name	OJ990430_06.9C03.C88.o1.np	Method	AAT/NAP
Start	1	End	554
GI	6630685	Score	475
Exons	1..367, 502..554		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	12667	Seq. ID	OJ990430_06.9C03.C88
Gene No.	26797	Strand	-
Start	1	End	554
Name	OJ990430_06.9C03.C88.o1.tm	Method	TBLASTX:Maize
Start	2	End	323
GI	none	Score	293
Exons	2..322, 3..323		

Seq. No.	12667	Seq. ID	OJ990430_06.9C03.C88
Gene No.	26797	Strand	-
Start	1	End	554
Name	OJ990430_06.9C03.C88.o1.ts	Method	TBLASTX:Soybean
Start	2	End	346
GI	none	Score	86
Exons	2..346, 3..338		

Seq. No.	12667	Seq. ID	OJ990430_06.9C03.C88
Gene No.	26797	Strand	-
Start	1	End	554
Name	OJ990430_06.9C03.C88.o1.tw	Method	TBLASTX:Wheat
Start	2	End	316
GI	none	Score	102

Exons	2..142, 155..316		
Seq. No.	12667	Seq. ID	OJ990430_06.9C03.C88
Gene No.	26797	Strand	-
Start	1	End	554
Name	OJ990430_06.9C03.C88.o1.gs	Method	GENSCAN
Start	154	End	355
GI	none	Score	.45
Exons	154..355		
Seq. No.	12667	Seq. ID	OJ990430_06.9C03.C88
Gene No.	26797	Strand	-
Start	1	End	554
Name	OJ990430_06.9C03.C88.o2.ts	Method	TBLASTX:Soybean
Start	363	End	554
GI	5509260	Score	58
Exons	363..434, 364..435, 422..553,	423..554	
GI Descrip.	-		
Seq. No.	12668	Seq. ID	OJ990430_06.9C03.C89
Gene No.	26798	Strand	-
Start	1	End	2348
Name	OJ990430_06.9C03.C89.o1.np	Method	AAT/NAP
Start	1	End	2270
GI	1314711	Score	771
Exons	1..42, 1569..2110, 2175..2270		
GI Descrip.	(U54615) calcium-dependent protein kinase [Arabidopsis thaliana] gi|3068712|gb|AAC14412.1| (AF049236) calcium dependent protein kinase [Arabidopsis thaliana]		
Seq. No.	12668	Seq. ID	OJ990430_06.9C03.C89
Gene No.	26798	Strand	-
Start	1	End	2348
Name	OJ990430_06.9C03.C89.o1.gs	Method	GENSCAN
Start	668	End	2270
GI	none	Score	.94
Exons	668..684, 1577..2270		
Seq. No.	12668	Seq. ID	OJ990430_06.9C03.C89
Gene No.	26798	Strand	-
Start	1	End	2348
Name	OJ990430_06.9C03.C89.o1.tm	Method	TBLASTX:Maize
Start	1542	End	2042
GI	none	Score	334
Exons	1542..2042, 1576..2004, 1674..2027		
Seq. No.	12668	Seq. ID	OJ990430_06.9C03.C89
Gene No.	26798	Strand	-
Start	1	End	2348
Name	OJ990430_06.9C03.C89.o1.ts	Method	TBLASTX:Soybean
Start	1572	End	2054
GI	none	Score	329
Exons	1572..2045, 1576..1995, 1671..2054		
Seq. No.	12668	Seq. ID	OJ990430_06.9C03.C89
Gene No.	26798	Strand	-
Start	1	End	2348

Name	OJ990430_06.9C03.C89.o1.tw	Method	TBLASTX:Wheat
Start	1572	End	1790
GI	none	Score	220
Exons	1572..1790, 1576..1776, 1671..1778		

Seq. No.	12668	Seq. ID	OJ990430_06.9C03.C89
Gene No.	26798	Strand	-
Start	1	End	2348
Name	OJ990430_06.9C03.C89.o1.tc	Method	TBLASTX:Cress
Start	1575	End	2048
GI	none	Score	286
Exons	1575..2048, 1576..1995		

Seq. No.	12668	Seq. ID	OJ990430_06.9C03.C89
Gene No.	26798	Strand	-
Start	1	End	2348
Name	OJ990430_06.9C03.C89.o1.gp	Method	AAT/GAP
Start	1853	End	2348
GI	44362_1.R1084	Score	937
Exons	1853..2348		
GI Descrip.	'1314711 1.0e-28 (U54615) calcium-dependent protein kinase [Arabidopsis thaliana] >gi_3068712 (AF049236) calcium dependent protein kinase [Arabidopsis thaliana]'		

Seq. No.	12669	Seq. ID	OJ990430_06.9C03.C90
Gene No.	26799	Strand	+
Start	6444	End	10696
Name	OJ990430_06.9C03.C90.o1.np	Method	AAT/NAP
Start	6444	End	9665
GI	5541697	Score	444
Exons	6444..6587, 6749..6816, 8125..8488, 9604..9665		
GI Descrip.	(AL096860) putative protein [Arabidopsis thaliana]		

Seq. No.	12669	Seq. ID	OJ990430_06.9C03.C90
Gene No.	26799	Strand	+
Start	6444	End	10696
Name	OJ990430_06.9C03.C90.o2.gs	Method	GENSCAN
Start	6444	End	10696
GI	none	Score	.84
Exons	6444..6638, 6746..6816, 8125..8440, 9424..9528, 10270..10463, 10588..10696		

Seq. No.	12669	Seq. ID	OJ990430_06.9C03.C90
Gene No.	26799	Strand	+
Start	6444	End	10696
Name	OJ990430_06.9C03.C90.o1.gp	Method	AAT/GAP
Start	8330	End	9825
GI	49602_1.R1084	Score	981
Exons	8330..8440, 9424..9825		
GI Descrip.	'517492/emb|X78846|ZM38G1 6.0e-15 Z.Mays Zm38 gene, intron'		

Seq. No.	12669	Seq. ID	OJ990430_06.9C03.C90
Gene No.	26800	Strand	+
Start	15642	End	16470
Name	OJ990430_06.9C03.C90.o2.gp	Method	AAT/GAP
Start	15490	End	15771
GI	2442801	Score	489

Exons	15490..15771		
Seq. No.	12669	Seq. ID	OJ990430_06.9C03.C90
Gene No.	26800	Strand	+
Start	15642	End	16470
Name	OJ990430_06.9C03.C90.o4.gs	Method	GENSCAN
Start	15642	End	16470
GI	none	Score	.75
Exons	15642..15773, 16390..16470		
Seq. No.	12669	Seq. ID	OJ990430_06.9C03.C90
Gene No.	26801	Strand	+
Start	17331	End	17634
Name	OJ990430_06.9C03.C90.o3.gp	Method	AAT/GAP
Start	17331	End	17634
GI	286357	Score	126
Exons	17331..17381, 17613..17634		
GI Descrip.	517492/emb|X78846|ZM38G1 6.0e-15 Z.Mays Zm38 gene, intron		
Seq. No.	12669	Seq. ID	OJ990430_06.9C03.C90
Gene No.	26802	Strand	-
Start	11925	End	13705
Name	OJ990430_06.9C03.C90.o1.tm	Method	TBLASTX:Maize
Start	6411	End	9594
GI	none	Score	81
Exons	6411..6515, 6429..6458, 6452..6514, 6745..6810, 6746..6817, 6746..6817, 8098..8238, 8112..8219, 8122..8442, 8123..8443, 9413..9526, 9417..9527, 9423..9533, 9424..9528, 9568..9594		
Seq. No.	12669	Seq. ID	OJ990430_06.9C03.C90
Gene No.	26802	Strand	-
Start	11925	End	13705
Name	OJ990430_06.9C03.C90.o2.ts	Method	TBLASTX:Soybean
Start	8240	End	9555
GI	none	Score	62
Exons	8240..8326, 8272..8316, 8303..8443, 8308..8442, 9424..9555		
Seq. No.	12669	Seq. ID	OJ990430_06.9C03.C90
Gene No.	26802	Strand	-
Start	11925	End	13705
Name	OJ990430_06.9C03.C90.o3.gs	Method	GENSCAN
Start	11925	End	13705
GI	none	Score	.96
Exons	11925..12163, 12236..12532, 13213..13705		
Seq. No.	12669	Seq. ID	OJ990430_06.9C03.C90
Gene No.	26802	Strand	-
Start	11925	End	13705
Name	OJ990430_06.9C03.C90.o2.np	Method	AAT/NAP
Start	11934	End	13660
GI	4587999	Score	636
Exons	11934..12118, 12236..12503, 13073..13660		
GI Descrip.	(AF085279) hypothetical APG protein [Arabidopsis thaliana]		
Seq. No.	12669	Seq. ID	OJ990430_06.9C03.C90
Gene No.	26802	Strand	-
Start	11925	End	13705

Name	OJ990430_06.9C03.C90.o4.tm	Method	TBLASTX:Maize
Start	11934	End	12395
GI	none	Score	92
Exons	11934..12119, 11935..12159, 12234..12395		

Seq. No.	12669	Seq. ID	OJ990430_06.9C03.C90
Gene No.	26802	Strand	-
Start	11925	End	13705
Name	OJ990430_06.9C03.C90.o3.ts	Method	TBLASTX:Soybean
Start	11955	End	12389
GI	none	Score	103
Exons	11955..12119, 12234..12389		

Seq. No.	12669	Seq. ID	OJ990430_06.9C03.C90
Gene No.	26802	Strand	-
Start	11925	End	13705
Name	OJ990430_06.9C03.C90.o2.tc	Method	TBLASTX:Cress
Start	11967	End	12533
GI	none	Score	39
Exons	11967..12041, 11973..12023, 12070..12126, 12072..12119, 12234..12395, 12423..12533, 12427..12498		

Seq. No.	12669	Seq. ID	OJ990430_06.9C03.C90
Gene No.	26802	Strand	-
Start	11925	End	13705
Name	OJ990430_06.9C03.C90.o1.ts	Method	TBLASTX:Soybean
Start	12415	End	13586
GI	none	Score	71
Exons	12415..12510, 12420..12518, 13229..13366, 13236..13367, 13385..13582, 13389..13586		

Seq. No.	12669	Seq. ID	OJ990430_06.9C03.C90
Gene No.	26802	Strand	-
Start	11925	End	13705
Name	OJ990430_06.9C03.C90.o2.tm	Method	TBLASTX:Maize
Start	13208	End	13583
GI	none	Score	70
Exons	13208..13375, 13281..13376, 13302..13583, 13379..13582		

Seq. No.	12669	Seq. ID	OJ990430_06.9C03.C90
Gene No.	26802	Strand	-
Start	11925	End	13705
Name	OJ990430_06.9C03.C90.o1.tc	Method	TBLASTX:Cress
Start	13244	End	13583
GI	none	Score	58
Exons	13244..13366, 13293..13358, 13385..13582, 13386..13583		

Seq. No.	12669	Seq. ID	OJ990430_06.9C03.C90
Gene No.	26803	Strand	
Start	17097	End	17384
Name	OJ990430_06.9C03.C90.o3.tm	Method	TBLASTX:Maize
Start	17097	End	17384
GI	none	Score	106
Exons	17097..17177, 17107..17175, 17242..17382, 17247..17384		

Seq. No.	12669	Seq. ID	OJ990430_06.9C03.C90
Gene No.	26803	Strand	

Start	17097	End	17384
Name	OJ990430_06.9C03.C90.o4.ts	Method	TBLASTX:Soybean
Start	17107	End	17384
GI	none	Score	104
Exons	17107..17175, 17109..17183, 17242..17382, 17262..17384		

Seq. No.	12670	Seq. ID	OJ990430_06.9C03.C91
Gene No.	26804	Strand	+
Start	80	End	496
Name	OJ990430_06.9C03.C91.o1.gp	Method	AAT/GAP
Start	80	End	496
GI	3760700	Score	595
Exons	80..149, 227..496		

Seq. No.	12670	Seq. ID	OJ990430_06.9C03.C91
Gene No.	26805	Strand	+
Start	2699	End	3198
Name	OJ990430_06.9C03.C91.o2.tm	Method	TBLASTX:Maize
Start	70	End	414
GI	none	Score	130
Exons	70..150, 70..147, 72..152, 212..409, 226..414, 227..409, 228..410		

Seq. No.	12670	Seq. ID	OJ990430_06.9C03.C91
Gene No.	26805	Strand	+
Start	2699	End	3198
Name	OJ990430_06.9C03.C91.o1.tc	Method	TBLASTX:Cress
Start	212	End	437
GI	none	Score	189
Exons	212..415, 228..437		

Seq. No.	12670	Seq. ID	OJ990430_06.9C03.C91
Gene No.	26805	Strand	+
Start	2699	End	3198
Name	OJ990430_06.9C03.C91.o1.gs	Method	GENSCAN
Start	2699	End	3156
GI	none	Score	.55
Exons	2699..3156		

Seq. No.	12670	Seq. ID	OJ990430_06.9C03.C91
Gene No.	26805	Strand	+
Start	2699	End	3198
Name	OJ990430_06.9C03.C91.o1.np	Method	AAT/NAP
Start	2714	End	3198
GI	6598436	Score	468
Exons	2714..3034, 3068..3198		
GI Descrip.	(AC004683) putative ammonium transporter [Arabidopsis thaliana]		

Seq. No.	12670	Seq. ID	OJ990430_06.9C03.C91
Gene No.	26805	Strand	+
Start	2699	End	3198
Name	OJ990430_06.9C03.C91.o1.ts	Method	TBLASTX:Soybean
Start	2717	End	3196
GI	none	Score	540
Exons	2717..3196, 2737..3072, 3104..3193		

Seq. No.	12670	Seq. ID	OJ990430_06.9C03.C91

Gene No.	26805	Strand	+
Start	2699	End	3198
Name	OJ990430_06.9C03.C91.o1.tm	Method	TBLASTX:Maize
Start	2744	End	3181
GI	none	Score	444
Exons	2744..3181, 2762..3013		

Seq. No.	12671	Seq. ID	OJ990430_06.9C03.C92
Gene No.	26806	Strand	+
Start	75	End	2555
Name	OJ990430_06.9C03.C92.o1.gs	Method	GENSCAN
Start	75	End	2548
GI	none	Score	.87
Exons	75..278, 1280..1459, 1584..1864, 1878..2145, 2405..2548		

Seq. No.	12671	Seq. ID	OJ990430_06.9C03.C92
Gene No.	26806	Strand	+
Start	75	End	2555
Name	OJ990430_06.9C03.C92.o1.np	Method	AAT/NAP
Start	444	End	2555
GI	6539588	Score	240
Exons	444..470, 1186..1488, 2529..2555		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	12672	Seq. ID	OJ990430_06.9C03.C93
Gene No.	26807	Strand	+
Start	315	End	1034
Name	OJ990430_06.9C03.C93.o1.gp	Method	AAT/GAP
Start	315	End	1034
GI	67576_1.R1084	Score	680
Exons	315..338, 684..1034		
GI Descrip.	'4510386/gb|AAD21474.1| 2.0e-10 (AC007017) unknown protein [Arabidopsis thaliana]'		

Seq. No.	12672	Seq. ID	OJ990430_06.9C03.C93
Gene No.	26807	Strand	+
Start	315	End	1034
Name	OJ990430_06.9C03.C93.o1.gs	Method	GENSCAN
Start	684	End	749
GI	none	Score	.9
Exons	684..749		

Seq. No.	12673	Seq. ID	OJ990430_06.9C03.C94
Gene No.	26808	Strand	+
Start	1195	End	1345
Name	OJ990430_06.9C03.C94.o1.gs	Method	GENSCAN
Start	1195	End	1345
GI	none	Score	.4
Exons	1195..1345		

Seq. No.	12674	Seq. ID	OJ990430_06.9C03.C95
Gene No.	26809	Strand	+
Start	300	End	492
Name	OJ990430_06.9C03.C95.o1.gs	Method	GENSCAN
Start	300	End	492
GI	none	Score	.85
Exons	300..492		

Seq. No.	12675	Seq. ID	OJ990430_06.9C03.C96
Gene No.	26810	Strand	-
Start	204	End	3419
Name	OJ990430_06.9C03.C96.o1.tm	Method	TBLASTX:Maize
Start	153	End	1266
GI	none	Score	112
Exons	153..269, 165..434, 173..445, 230..277, 336..446, 1120..1185, 1120..1182, 1195..1266		

Seq. No.	12675	Seq. ID	OJ990430_06.9C03.C96
Gene No.	26810	Strand	-
Start	204	End	3419
Name	OJ990430_06.9C03.C96.o1.gp	Method	AAT/GAP
Start	179	End	422
GI	2796401	Score	296
Exons	179..422		

Seq. No.	12675	Seq. ID	OJ990430_06.9C03.C96
Gene No.	26810	Strand	-
Start	204	End	3419
Name	OJ990430_06.9C03.C96.o1.np	Method	AAT/NAP
Start	185	End	3419
GI	6016680	Score	549
Exons	185..433, 1123..1466, 3339..3419		
GI Descrip.	(AC009991) putative leucoanthocyanidin dioxygenase [Arabidopsis thaliana]		

Seq. No.	12675	Seq. ID	OJ990430_06.9C03.C96
Gene No.	26810	Strand	-
Start	204	End	3419
Name	OJ990430_06.9C03.C96.o2.ts	Method	TBLASTX:Soybean
Start	185	End	445
GI	none	Score	65
Exons	185..277, 189..272, 278..445, 339..428		

Seq. No.	12675	Seq. ID	OJ990430_06.9C03.C96
Gene No.	26810	Strand	-
Start	204	End	3419
Name	OJ990430_06.9C03.C96.o1.tc	Method	TBLASTX:Cress
Start	197	End	1197
GI	none	Score	47
Exons	197..277, 204..272, 278..445, 339..434, 1120..1197		

Seq. No.	12675	Seq. ID	OJ990430_06.9C03.C96
Gene No.	26810	Strand	-
Start	204	End	3419
Name	OJ990430_06.9C03.C96.o1.gs	Method	GENSCAN
Start	204	End	2431
GI	none	Score	.89
Exons	204..490, 687..771, 1123..1456, 2403..2431		

Seq. No.	12675	Seq. ID	OJ990430_06.9C03.C96
Gene No.	26810	Strand	-
Start	204	End	3419
Name	OJ990430_06.9C03.C96.o1.ts	Method	TBLASTX:Soybean
Start	1120	End	1464

GI	none	Score	60
Exons	1120..1197, 1123..1185, 1195..1464, 1241..1459		
Seq. No.	12675	Seq. ID	OJ990430_06.9C03.C96
Gene No.	26810	Strand	-
Start	204	End	3419
Name	OJ990430_06.9C03.C96.o1.tw	Method	TBLASTX:Wheat
Start	1123	End	1323
GI	none	Score	62
Exons	1123..1176, 1123..1176, 1156..1293, 1177..1323, 1241..1312		
Seq. No.	12676	Seq. ID	OJ990430_06.9C03.C97
Gene No.	26811	Strand	+
Start	141	End	1120
Name	OJ990430_06.9C03.C97.o1.gs	Method	GENSCAN
Start	141	End	1120
GI	none	Score	.91
Exons	141..363, 802..957, 983..1120		
Seq. No.	12676	Seq. ID	OJ990430_06.9C03.C97
Gene No.	26812	Strand	-
Start	540	End	629
Name	OJ990430_06.9C03.C97.o1.gp	Method	AAT/GAP
Start	540	End	629
GI	LIB3477-011-P1-K1-B12	Score	156
Exons	540..629		
GI Descrip.	'6016680/gb|AAF01507.1|AC009991_3 1.0e-22 (AC009991) putative leucoanthocyanidin dioxygenase [Arabidopsis thaliana]'		
Seq. No.	12677	Seq. ID	OJ990430_06.9C03.C98
Gene No.	26813	Strand	-
Start	304	End	1025
Name	OJ990430_06.9C03.C98.o1.gs	Method	GENSCAN
Start	304	End	1025
GI	none	Score	.88
Exons	304..882, 911..1025		
Seq. No.	12678	Seq. ID	OJ990430_01.9C03.C1
Gene No.	26814	Strand	-
Start	804	End	911
Name	OJ990430_01.9C03.C1.o1.gs	Method	GENSCAN
Start	804	End	911
GI	none	Score	.45
Exons	804..911		
Seq. No.	12679	Seq. ID	OJ990430_01.9C03.C2
Gene No.	26815	Strand	+
Start	440	End	562
Name	OJ990430_01.9C03.C2.o1.gs	Method	GENSCAN
Start	440	End	562
GI	none	Score	.62
Exons	440..562		
Seq. No.	12679	Seq. ID	OJ990430_01.9C03.C2
Gene No.	26816	Strand	-
Start	457	End	663
Name	OJ990430_01.9C03.C2.o1.np	Method	AAT/NAP

Start	457	End	663
GI	5852084	Score	84
Exons	457..540, 618..663		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	12680	Seq. ID	OJ990430_01.9C03.C3
Gene No.	26817	Strand	+
Start	168	End	447
Name	OJ990430_01.9C03.C3.o1.gs	Method	GENSCAN
Start	168	End	447
GI	none	Score	.92
Exons	168..447		

Seq. No.	12681	Seq. ID	OJ990430_01.9C03.C6
Gene No.	26818	Strand	+
Start	442	End	449
Name	OJ990430_01.9C03.C6.o1.gs	Method	GENSCAN
Start	442	End	449
GI	none	Score	.57
Exons	442..449		

Seq. No.	12682	Seq. ID	OJ990430_01.9C03.C7
Gene No.	26819	Strand	+
Start	1016	End	2095
Name	OJ990430_01.9C03.C7.o1.gs	Method	GENSCAN
Start	1016	End	2095
GI	none	Score	1
Exons	1016..2095		

Seq. No.	12683	Seq. ID	OJ990430_01.9C03.C8
Gene No.	26820	Strand	-
Start	216	End	1788
Name	OJ990430_01.9C03.C8.o1.np	Method	AAT/NAP
Start	216	End	1680
GI	3044218	Score	273
Exons	216..363, 570..695, 1128..1190, 1292..1339, 1555..1680		
GI Descrip.	(AF057144) signal peptidase [Arabidopsis thaliana]		

Seq. No.	12683	Seq. ID	OJ990430_01.9C03.C8
Gene No.	26820	Strand	-
Start	216	End	1788
Name	OJ990430_01.9C03.C8.o1.gp	Method	AAT/GAP
Start	640	End	1788
GI	54069_1.R1084	Score	682
Exons	640..695, 1128..1190, 1292..1339, 1555..1788		
GI Descrip.	'3044218 6.0e-50 (AF057144) signal peptidase [Arabidopsis thaliana]'		

Seq. No.	12683	Seq. ID	OJ990430_01.9C03.C8
Gene No.	26820	Strand	-
Start	216	End	1788
Name	OJ990430_01.9C03.C8.o1.gs	Method	GENSCAN
Start	642	End	1680
GI	none	Score	.99
Exons	642..695, 1128..1190, 1292..1339, 1555..1680		

Seq. No.	12683	Seq. ID	OJ990430_01.9C03.C8

Gene No.	26821	Strand	-
Start	2620	End	2760
Name	OJ990430_01.9C03.C8.o1.tm	Method	TBLASTX:Maize
Start	633	End	1689
GI	none	Score	91
Exons	633..695, 634..696, 640..696, 1093..1191, 1125..1190, 1126..1191, 1127..1198, 1127..1192, 1287..1340, 1289..1342, 1291..1341, 1552..1689, 1556..1681		

Seq. No.	12683	Seq. ID	OJ990430_01.9C03.C8
Gene No.	26821	Strand	-
Start	2620	End	2760
Name	OJ990430_01.9C03.C8.o2.gs	Method	GENSCAN
Start	2620	End	2760
GI	none	Score	.92
Exons	2620..2760		

Seq. No.	12684	Seq. ID	OJ990430_01.9C03.C9
Gene No.	26822	Strand	+
Start	793	End	876
Name	OJ990430_01.9C03.C9.o1.gs	Method	GENSCAN
Start	793	End	876
GI	none	Score	.76
Exons	793..876		

Seq. No.	12684	Seq. ID	OJ990430_01.9C03.C9
Gene No.	26823	Strand	+
Start	2569	End	5136
Name	OJ990430_01.9C03.C9.o2.gs	Method	GENSCAN
Start	2569	End	5136
GI	none	Score	.62
Exons	2569..2785, 3165..3295, 4660..4718, 4809..5136		

Seq. No.	12684	Seq. ID	OJ990430_01.9C03.C9
Gene No.	26824	Strand	-
Start	6062	End	11643
Name	OJ990430_01.9C03.C9.o1.gp	Method	AAT/GAP
Start	5733	End	6290
GI	none	Score	912
Exons	5733..6175, 6266..6290		

Seq. No.	12684	Seq. ID	OJ990430_01.9C03.C9
Gene No.	26824	Strand	-
Start	6062	End	11643
Name	OJ990430_01.9C03.C9.o3.gs	Method	GENSCAN
Start	6062	End	11598
GI	none	Score	.66
Exons	6062..6175, 6266..6352, 6580..6641, 6691..6832, 7098..7193, 8309..8477, 8551..8631, 8724..8798, 10705..10885, 11529..11598		

Seq. No.	12684	Seq. ID	OJ990430_01.9C03.C9
Gene No.	26824	Strand	-
Start	6062	End	11643
Name	OJ990430_01.9C03.C9.o1.np	Method	AAT/NAP
Start	6089	End	11643
GI	3582333	Score	434
Exons	6089..6172, 6266..6352, 6557..6609, 6691..6832, 7098..7227,		

	7815..7928, 8439..8631, 8724..8798, 9455..9507, 9980..10079, 10705..10850, 11590..11643		
GI Descrip.	(AC005496) putative Na+-dependent inorganic phosphate cotransporter [Arabidopsis thaliana]		
Seq. No.	12684	Seq. ID	OJ990430_01.9C03.C9
Gene No.	26824	Strand	-
Start	6062	End	11643
Name	OJ990430_01.9C03.C9.o1.tm	Method	TBLASTX:Maize
Start	6120	End	7896
GI	none	Score	53
Exons	6120..6176, 6122..6175, 6263..6352, 6263..6361, 6267..6353, 6556..6612, 6557..6613, 6687..6833, 6690..6836, 7086..7166, 7096..7212, 7096..7200, 7340..7381, 7341..7382, 7809..7892, 7813..7896, 7815..7895		
Seq. No.	12684	Seq. ID	OJ990430_01.9C03.C9
Gene No.	26824	Strand	-
Start	6062	End	11643
Name	OJ990430_01.9C03.C9.o2.ts	Method	TBLASTX:Soybean
Start	6311	End	9508
GI	none	Score	66
Exons	6311..6361, 6312..6353, 6557..6613, 6564..6611, 6690..6833, 6691..6834, 6737..6832, 7086..7166, 7096..7212, 7340..7381, 7813..7929, 7815..7928, 8548..8631, 8548..8610, 8550..8630, 8711..8800, 8724..8801, 9454..9507, 9455..9508		
Seq. No.	12684	Seq. ID	OJ990430_01.9C03.C9
Gene No.	26824	Strand	-
Start	6062	End	11643
Name	OJ990430_01.9C03.C9.o2.gp	Method	AAT/GAP
Start	6712	End	7952
GI	LIB3431-011-P1-K1-A5	Score	660
Exons	6712..6832, 7098..7193, 7343..7379, 7813..7952		
GI Descrip.	'3582333 1.0e-16 (AC005496) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	12684	Seq. ID	OJ990430_01.9C03.C9
Gene No.	26824	Strand	-
Start	6062	End	11643
Name	OJ990430_01.9C03.C9.o1.tc	Method	TBLASTX:Cress
Start	8723	End	10827
GI	none	Score	67
Exons	8723..8800, 8724..8801, 9434..9508, 9454..9507, 9978..10082, 9986..10081, 10690..10827, 10698..10826		
Seq. No.	12684	Seq. ID	OJ990430_01.9C03.C9
Gene No.	26824	Strand	-
Start	6062	End	11643
Name	OJ990430_01.9C03.C9.o1.ts	Method	TBLASTX:Soybean
Start	10698	End	11643
GI	none	Score	93
Exons	10698..10853, 10699..10851, 10707..10853, 10708..10881, 11575..11643, 11588..11641		
Seq. No.	12685	Seq. ID	OJ990430_01.9C03.C10
Gene No.	26825	Strand	-

Start	277	End	1942
Name	OJ990430_01.9C03.C10.o1.tm	Method	TBLASTX:Maize
Start	268	End	1732
GI	none	Score	63
Exons	268..441, 274..438, 281..466, 825..908, 1571..1669, 1575..1670, 1670..1732, 1671..1703		

Seq. No.	12685	Seq. ID	OJ990430_01.9C03.C10
Gene No.	26825	Strand	-
Start	277	End	1942
Name	OJ990430_01.9C03.C10.o1.gs	Method	GENSCAN
Start	277	End	1942
GI	none	Score	.56
Exons	277..438, 843..956, 1171..1269, 1511..1942		

Seq. No.	12685	Seq. ID	OJ990430_01.9C03.C10
Gene No.	26825	Strand	-
Start	277	End	1942
Name	OJ990430_01.9C03.C10.o1.np	Method	AAT/NAP
Start	277	End	1927
GI	4432812	Score	353
Exons	277..438, 843..906, 1575..1927		
GI Descrip.	(AC006593) putative cysteinyl-tRNA synthetase [Arabidopsis thaliana]		

Seq. No.	12686	Seq. ID	OJ990430_01.9C03.C11
Gene No.	26826	Strand	+
Start	635	End	2661
Name	OJ990430_01.9C03.C11.o1.gs	Method	GENSCAN
Start	635	End	2661
GI	none	Score	.75
Exons	635..779, 2159..2208, 2308..2661		

Seq. No.	12686	Seq. ID	OJ990430_01.9C03.C11
Gene No.	26827	Strand	-
Start	3398	End	3481
Name	OJ990430_01.9C03.C11.o2.gs	Method	GENSCAN
Start	3398	End	3481
GI	none	Score	.64
Exons	3398..3481		

Seq. No.	12687	Seq. ID	OJ990430_01.9C03.C14
Gene No.	26828	Strand	-
Start	9	End	423
Name	OJ990430_01.9C03.C14.o1.gs	Method	GENSCAN
Start	9	End	423
GI	none	Score	.8
Exons	9..423		

Seq. No.	12688	Seq. ID	OJ990430_01.9C03.C16
Gene No.	26829	Strand	+
Start	1	End	806
Name	OJ990430_01.9C03.C16.o1.np	Method	AAT/NAP
Start	1	End	806
GI	2827630	Score	458
Exons	1..507, 704..806		
GI Descrip.	(AL021636) putative protein [Arabidopsis thaliana]		

Seq. No.	12688	Seq. ID	OJ990430_01.9C03.C16
Gene No.	26829	Strand	+
Start	1	End	806
Name	OJ990430_01.9C03.C16.o1.tc	Method	TBLASTX:Cress
Start	3	End	467
GI	none	Score	104
Exons	3..194, 87..179, 222..467, 252..461, 254..466		

Seq. No.	12688	Seq. ID	OJ990430_01.9C03.C16
Gene No.	26829	Strand	+
Start	1	End	806
Name	OJ990430_01.9C03.C16.o1.gs	Method	GENSCAN
Start	126	End	474
GI	none	Score	.71
Exons	126..474		

Seq. No.	12688	Seq. ID	OJ990430_01.9C03.C16
Gene No.	26829	Strand	+
Start	1	End	806
Name	OJ990430_01.9C03.C16.o1.tm	Method	TBLASTX:Maize
Start	215	End	467
GI	none	Score	417
Exons	215..466, 216..467		

Seq. No.	12688	Seq. ID	OJ990430_01.9C03.C16
Gene No.	26829	Strand	+
Start	1	End	806
Name	OJ990430_01.9C03.C16.o1.ts	Method	TBLASTX:Soybean
Start	269	End	476
GI	none	Score	144
Exons	269..394, 270..371, 284..376, 344..475, 348..476		

Seq. No.	12689	Seq. ID	OJ990430_01.9C03.C19
Gene No.	26830	Strand	-
Start	137	End	327
Name	OJ990430_01.9C03.C19.o1.gs	Method	GENSCAN
Start	137	End	327
GI	none	Score	.45
Exons	137..327		

Seq. No.	12690	Seq. ID	OJ990430_01.9C03.C21
Gene No.	26831	Strand	-
Start	1	End	1116
Name	OJ990430_01.9C03.C21.o1.np	Method	AAT/NAP
Start	1	End	1116
GI	2827630	Score	864
Exons	1..1116		
GI Descrip.	(AL021636) putative protein [Arabidopsis thaliana]		

Seq. No.	12690	Seq. ID	OJ990430_01.9C03.C21
Gene No.	26831	Strand	-
Start	1	End	1116
Name	OJ990430_01.9C03.C21.o1.tc	Method	TBLASTX:Cress
Start	118	End	1059
GI	none	Score	66
Exons	118..699, 133..225, 303..497, 460..699, 799..870, 806..847,		

859..1059, 899..1033

Seq. No.	12690	Seq. ID	OJ990430_01.9C03.C21
Gene No.	26831	Strand	-
Start	1	End	1116
Name	OJ990430_01.9C03.C21.o1.gs	Method	GENSCAN
Start	177	End	996
GI	none	Score	.81
Exons	177..996		

Seq. No.	12690	Seq. ID	OJ990430_01.9C03.C21
Gene No.	26831	Strand	-
Start	1	End	1116
Name	OJ990430_01.9C03.C21.o1.ts	Method	TBLASTX:Soybean
Start	187	End	1059
GI	none	Score	103
Exons	187..798, 261..401, 322..708, 795..950, 796..1059, 806..1042		

Seq. No.	12690	Seq. ID	OJ990430_01.9C03.C21
Gene No.	26831	Strand	-
Start	1	End	1116
Name	OJ990430_01.9C03.C21.o1.tm	Method	TBLASTX:Maize
Start	475	End	957
GI	none	Score	269
Exons	475..768, 476..712, 476..769, 477..761, 478..768, 787..954, 787..957		

Seq. No.	12691	Seq. ID	OJ990430_01.9C03.C22
Gene No.	26832	Strand	+
Start	461	End	2042
Name	OJ990430_01.9C03.C22.o1.np	Method	AAT/NAP
Start	461	End	2042
GI	3548810	Score	110
Exons	461..503, 1606..2042		
GI Descrip.	(AC005313) putative chloroplast nucleoid DNA binding protein [Arabidopsis thaliana]		

Seq. No.	12692	Seq. ID	OJ990430_01.9C03.C25
Gene No.	26833	Strand	-
Start	16	End	383
Name	OJ990430_01.9C03.C25.o1.gs	Method	GENSCAN
Start	16	End	383
GI	none	Score	.46
Exons	16..199, 339..383		

Seq. No.	12693	Seq. ID	OJ990430_01.9C03.C26
Gene No.	26834	Strand	-
Start	1	End	429
Name	OJ990430_01.9C03.C26.o1.np	Method	AAT/NAP
Start	1	End	429
GI	4432812	Score	163
Exons	1..114, 189..429		
GI Descrip.	(AC006593) putative cysteinyl-tRNA synthetase [Arabidopsis thaliana]		

Seq. No.	12693	Seq. ID	OJ990430_01.9C03.C26
Gene No.	26834	Strand	-

Start	1	End	429
Name	OJ990430_01.9C03.C26.o1.tm	Method	TBLASTX:Maize
Start	1	End	209
GI	none	Score	163
Exons	1..123, 2..115, 3..131, 186..209		

Seq. No.	12694	Seq. ID	OJ990430_01.9C03.C28
Gene No.	26835	Strand	-
Start	1	End	864
Name	OJ990430_01.9C03.C28.o1.np	Method	AAT/NAP
Start	1	End	864
GI	4115377	Score	376
Exons	1..163, 235..344, 439..690, 775..864		
GI Descrip.	(AC005967) putative multispanning membrane protein [Arabidopsis thaliana]		

Seq. No.	12694	Seq. ID	OJ990430_01.9C03.C28
Gene No.	26835	Strand	-
Start	1	End	864
Name	OJ990430_01.9C03.C28.o1.gp	Method	AAT/GAP
Start	61	End	166
GI	uC-osrocyp004g06b1	Score	185
Exons	61..166		
GI Descrip.	'4115377 1.0e-70 (AC005967) unknown protein [Arabidopsis thaliana]'		

Seq. No.	12694	Seq. ID	OJ990430_01.9C03.C28
Gene No.	26835	Strand	-
Start	1	End	864
Name	OJ990430_01.9C03.C28.o1.ts	Method	TBLASTX:Soybean
Start	61	End	612
GI	none	Score	92
Exons	61..105, 118..162, 234..344, 423..605, 431..610, 435..605, 439..612		

Seq. No.	12694	Seq. ID	OJ990430_01.9C03.C28
Gene No.	26835	Strand	-
Start	1	End	864
Name	OJ990430_01.9C03.C28.o1.gs	Method	GENSCAN
Start	61	End	603
GI	none	Score	.73
Exons	61..163, 235..344, 439..603		

Seq. No.	12694	Seq. ID	OJ990430_01.9C03.C28
Gene No.	26835	Strand	-
Start	1	End	864
Name	OJ990430_01.9C03.C28.o1.tc	Method	TBLASTX:Cress
Start	61	End	606
GI	none	Score	188
Exons	61..114, 118..162, 234..344, 431..604, 442..606, 451..606		

Seq. No.	12694	Seq. ID	OJ990430_01.9C03.C28
Gene No.	26835	Strand	-
Start	1	End	864
Name	OJ990430_01.9C03.C28.o1.tm	Method	TBLASTX:Maize
Start	61	End	606
GI	none	Score	55

Exons	61..111, 61..105, 68..112, 105..161, 115..162, 117..167, 234..326, 235..327, 290..328, 410..601, 427..606, 427..600		
Seq. No.	12694	Seq. ID	OJ990430_01.9C03.C28
Gene No.	26835	Strand	-
Start	1	End	864
Name	OJ990430_01.9C03.C28.o2.gp	Method	AAT/GAP
Start	283	End	605
GI	25271_1.R1084	Score	417
Exons	283..344, 439..605		
GI Descrip.	'4115377 5.0e-30 (AC005967) unknown protein [Arabidopsis thaliana]'		
Seq. No.	12695	Seq. ID	OJ990430_01.9C03.C29
Gene No.	26836	Strand	-
Start	492	End	752
Name	OJ990430_01.9C03.C29.o1.gp	Method	AAT/GAP
Start	492	End	752
GI	25271_1.R1084	Score	409
Exons	492..752		
GI Descrip.	'4115377 5.0e-30 (AC005967) unknown protein [Arabidopsis thaliana]'		
Seq. No.	12695	Seq. ID	OJ990430_01.9C03.C29
Gene No.	26836	Strand	-
Start	492	End	752
Name	OJ990430_01.9C03.C29.o1.gs	Method	GENSCAN
Start	508	End	612
GI	none	Score	.64
Exons	508..612		
Seq. No.	12696	Seq. ID	OJ990430_01.9C03.C30
Gene No.	26837	Strand	+
Start	200	End	2385
Name	OJ990430_01.9C03.C30.o1.gs	Method	GENSCAN
Start	200	End	2385
GI	none	Score	.56
Exons	200..472, 498..1470, 1685..1810, 1892..2385		
Seq. No.	12696	Seq. ID	OJ990430_01.9C03.C30
Gene No.	26838	Strand	-
Start	3581	End	3769
Name	OJ990430_01.9C03.C30.o2.tm	Method	TBLASTX:Maize
Start	775	End	1054
GI	none	Score	237
Exons	775..918, 777..920, 777..923, 873..1052, 909..1052, 920..1054, 923..1054		
Seq. No.	12696	Seq. ID	OJ990430_01.9C03.C30
Gene No.	26838	Strand	-
Start	3581	End	3769
Name	OJ990430_01.9C03.C30.o1.tc	Method	TBLASTX:Cress
Start	1113	End	1498
GI	none	Score	156
Exons	1113..1247, 1113..1340, 1247..1348, 1257..1364, 1291..1374, 1365..1496, 1406..1498		

Seq. No.	12696	Seq. ID	OJ990430_01.9C03.C30
Gene No.	26838	Strand	-
Start	3581	End	3769
Name	OJ990430_01.9C03.C30.o2.ts	Method	TBLASTX:Soybean
Start	1472	End	1700
GI	none	Score	84
Exons	1472..1531, 1473..1529, 1535..1642, 1536..1640, 1641..1700, 1642..1689		

Seq. No.	12696	Seq. ID	OJ990430_01.9C03.C30
Gene No.	26838	Strand	-
Start	3581	End	3769
Name	OJ990430_01.9C03.C30.o1.tm	Method	TBLASTX:Maize
Start	1497	End	1898
GI	none	Score	234
Exons	1497..1640, 1499..1642, 1500..1661, 1641..1811, 1641..1817, 1642..1818, 1645..1818, 1806..1898, 1816..1896		

Seq. No.	12696	Seq. ID	OJ990430_01.9C03.C30
Gene No.	26838	Strand	-
Start	3581	End	3769
Name	OJ990430_01.9C03.C30.o2.tc	Method	TBLASTX:Cress
Start	2037	End	2376
GI	none	Score	285
Exons	2037..2300, 2038..2301, 2320..2376		

Seq. No.	12696	Seq. ID	OJ990430_01.9C03.C30
Gene No.	26838	Strand	-
Start	3581	End	3769
Name	OJ990430_01.9C03.C30.o1.ts	Method	TBLASTX:Soybean
Start	2136	End	2384
GI	none	Score	229
Exons	2136..2384, 2137..2382		

Seq. No.	12696	Seq. ID	OJ990430_01.9C03.C30
Gene No.	26838	Strand	-
Start	3581	End	3769
Name	OJ990430_01.9C03.C30.o1.tw	Method	TBLASTX:Wheat
Start	2208	End	2548
GI	none	Score	119
Exons	2208..2384, 2211..2375, 2212..2385, 2212..2391, 2213..2401, 2398..2430, 2419..2445, 2422..2460, 2509..2547, 2510..2548		

Seq. No.	12696	Seq. ID	OJ990430_01.9C03.C30
Gene No.	26838	Strand	-
Start	3581	End	3769
Name	OJ990430_01.9C03.C30.o2.gs	Method	GENSCAN
Start	3581	End	3769
GI	none	Score	.58
Exons	3581..3769		

Seq. No.	12697	Seq. ID	OJ990430_01.9C03.C31
Gene No.	26839	Strand	+
Start	2117	End	3063
Name	OJ990430_01.9C03.C31.o1.np	Method	AAT/NAP
Start	2117	End	3063
GI	4115382	Score	1029

Exons	2117..3063		
GI Descrip.	(AC005967) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	12697	Seq. ID	OJ990430_01.9C03.C31
Gene No.	26840	Strand	+
Start	4467	End	5348
Name	OJ990430_01.9C03.C31.o2.gs	Method	GENSCAN
Start	4467	End	5327
GI	none	Score	.76
Exons	4467..4640, 4750..5129, 5168..5327		
Seq. No.	12697	Seq. ID	OJ990430_01.9C03.C31
Gene No.	26840	Strand	+
Start	4467	End	5348
Name	OJ990430_01.9C03.C31.o2.np	Method	AAT/NAP
Start	4554	End	5327
GI	6503284	Score	258
Exons	4554..4634, 4744..5090, 5168..5327		
GI Descrip.	(AC011713) F23A5.7 [Arabidopsis thaliana]		
Seq. No.	12697	Seq. ID	OJ990430_01.9C03.C31
Gene No.	26840	Strand	+
Start	4467	End	5348
Name	OJ990430_01.9C03.C31.o1.gp	Method	AAT/GAP
Start	4834	End	5348
GI	none	Score	824
Exons	4834..5090, 5168..5348		
Seq. No.	12697	Seq. ID	OJ990430_01.9C03.C31
Gene No.	26841	Strand	-
Start	6032	End	6470
Name	OJ990430_01.9C03.C31.o2.gp	Method	AAT/GAP
Start	6032	End	6470
GI	LIB3431-058-P1-K1-H5	Score	840
Exons	6032..6470		
GI Descrip.	'4959460/gb|AF126053.1|AF126053 9.0e-09 Zea mays RACB small GTP binding protein mRNA, complete cds'		
Seq. No.	12697	Seq. ID	OJ990430_01.9C03.C31
Gene No.	26842	Strand	-
Start	6731	End	7323
Name	OJ990430_01.9C03.C31.o3.gp	Method	AAT/GAP
Start	6731	End	7323
GI	none	Score	1179
Exons	6731..7323		
Seq. No.	12697	Seq. ID	OJ990430_01.9C03.C31
Gene No.	26843	Strand	-
Start	8229	End	10306
Name	OJ990430_01.9C03.C31.o3.gs	Method	GENSCAN
Start	8229	End	10306
GI	none	Score	.5
Exons	8229..8416, 9069..9579, 9606..9790, 9838..10306		
Seq. No.	12697	Seq. ID	OJ990430_01.9C03.C31
Gene No.	26844	Strand	-
Start	12534	End	13657

Name	OJ990430_01.9C03.C31.o2.ts	Method	TBLASTX:Soybean
Start	2320	End	2724
GI	none	Score	150
Exons	2320..2574, 2424..2570, 2619..2720, 2620..2724		

Seq. No.	12697	Seq. ID	OJ990430_01.9C03.C31
Gene No.	26844	Strand	-
Start	12534	End	13657
Name	OJ990430_01.9C03.C31.o1.ts	Method	TBLASTX:Soybean
Start	2728	End	3024
GI	none	Score	253
Exons	2728..3024, 2802..3023		

Seq. No.	12697	Seq. ID	OJ990430_01.9C03.C31
Gene No.	26844	Strand	-
Start	12534	End	13657
Name	OJ990430_01.9C03.C31.o1.tm	Method	TBLASTX:Maize
Start	4737	End	10596
GI	none	Score	41
Exons	4737..4772, 4747..4773, 4774..4839, 4782..5006, 4822..4872, 4900..5064, 4966..5043, 5169..5219, 10507..10596		

Seq. No.	12697	Seq. ID	OJ990430_01.9C03.C31
Gene No.	26844	Strand	-
Start	12534	End	13657
Name	OJ990430_01.9C03.C31.o4.gs	Method	GENSCAN
Start	12534	End	13657
GI	none	Score	.57
Exons	12534..12661, 13006..13657		

Seq. No.	12698	Seq. ID	OJ990430_01.9C03.C32
Gene No.	26845	Strand	-
Start	166	End	687
Name	OJ990430_01.9C03.C32.o1.gs	Method	GENSCAN
Start	166	End	687
GI	none	Score	.97
Exons	166..687		

Seq. No.	12699	Seq. ID	OJ990430_01.9C03.C34
Gene No.	26846	Strand	-
Start	355	End	638
Name	OJ990430_01.9C03.C34.o1.gs	Method	GENSCAN
Start	355	End	638
GI	none	Score	.45
Exons	355..638		

Seq. No.	12700	Seq. ID	OJ990430_01.9C03.C35
Gene No.	26847	Strand	+
Start	1	End	229
Name	OJ990430_01.9C03.C35.o1.gp	Method	AAT/GAP
Start	1	End	229
GI	none	Score	419
Exons	1..229		

Seq. No.	12700	Seq. ID	OJ990430_01.9C03.C35
Gene No.	26848	Strand	-
Start	118	End	277

Name	OJ990430_01.9C03.C35.o1.gs	Method	GENSCAN
Start	118	End	277
GI	none	Score	.92
Exons	118..277		

Seq. No.	12701	Seq. ID	OJ990430_01.9C03.C39
Gene No.	26849	Strand	+
Start	695	End	879
Name	OJ990430_01.9C03.C39.o1.gs	Method	GENSCAN
Start	695	End	879
GI	none	Score	.95
Exons	695..879		

Seq. No.	12701	Seq. ID	OJ990430_01.9C03.C39
Gene No.	26850	Strand	+
Start	1003	End	1086
Name	OJ990430_01.9C03.C39.o1.np	Method	AAT/NAP
Start	1003	End	1086
GI	5852084	Score	75
Exons	1003..1086		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	12702	Seq. ID	OJ990430_01.9C03.C40
Gene No.	26851	Strand	+
Start	1037	End	1397
Name	OJ990430_01.9C03.C40.o1.gs	Method	GENSCAN
Start	1037	End	1397
GI	none	Score	.98
Exons	1037..1179, 1356..1397		

Seq. No.	12703	Seq. ID	OJ990430_01.9C03.C41
Gene No.	26852	Strand	+
Start	54	End	177
Name	OJ990430_01.9C03.C41.o1.gp	Method	AAT/GAP
Start	54	End	177
GI	uC-osroM202039h10a1	Score	214
Exons	54..177		
GI Descrip.	'3044218 1.0e-14 (AF057144) signal peptidase [Arabidopsis thaliana]'		

Seq. No.	12703	Seq. ID	OJ990430_01.9C03.C41
Gene No.	26853	Strand	-
Start	53	End	502
Name	OJ990430_01.9C03.C41.o1.np	Method	AAT/NAP
Start	53	End	502
GI	3044218	Score	171
Exons	53..175, 384..502		
GI Descrip.	(AF057144) signal peptidase [Arabidopsis thaliana]		

Seq. No.	12703	Seq. ID	OJ990430_01.9C03.C41
Gene No.	26853	Strand	-
Start	53	End	502
Name	OJ990430_01.9C03.C41.o1.tc	Method	TBLASTX:Cress
Start	54	End	178
GI	none	Score	126
Exons	54..176, 54..143, 56..178, 74..178		

Seq. No.	12703	Seq. ID	OJ990430_01.9C03.C41
Gene No.	26853	Strand	-
Start	53	End	502
Name	OJ990430_01.9C03.C41.o1.tm	Method	TBLASTX:Maize
Start	54	End	188
GI	none	Score	170
Exons	54..188, 56..178		

Seq. No.	12703	Seq. ID	OJ990430_01.9C03.C41
Gene No.	26853	Strand	-
Start	53	End	502
Name	OJ990430_01.9C03.C41.o1.ts	Method	TBLASTX:Soybean
Start	54	End	179
GI	none	Score	138
Exons	54..176, 56..178, 74..178, 75..179		

Seq. No.	12704	Seq. ID	OJ990430_01.9C03.C42
Gene No.	26854	Strand	
Start	25	End	178
Name	OJ990430_01.9C03.C42.o1.tm	Method	TBLASTX:Maize
Start	25	End	178
GI	none	Score	192
Exons	25..177, 26..178, 26..178		

Seq. No.	12705	Seq. ID	OJ990430_01.9C03.C43
Gene No.	26855	Strand	-
Start	1	End	452
Name	OJ990430_01.9C03.C43.o1.gp	Method	AAT/GAP
Start	1	End	452
GI	none	Score	868
Exons	1..452		

Seq. No.	12705	Seq. ID	OJ990430_01.9C03.C43
Gene No.	26856	Strand	-
Start	364	End	2080
Name	OJ990430_01.9C03.C43.o1.tm	Method	TBLASTX:Maize
Start	355	End	1854
GI	none	Score	311
Exons	355..600, 356..598, 360..605, 1405..1509, 1407..1511, 1408..1509, 1637..1795, 1641..1832, 1641..1832, 1642..1854		

Seq. No.	12705	Seq. ID	OJ990430_01.9C03.C43
Gene No.	26856	Strand	-
Start	364	End	2080
Name	OJ990430_01.9C03.C43.o1.gs	Method	GENSCAN
Start	364	End	1842
GI	none	Score	.96
Exons	364..597, 1407..1508, 1642..1842		

Seq. No.	12705	Seq. ID	OJ990430_01.9C03.C43
Gene No.	26856	Strand	-
Start	364	End	2080
Name	OJ990430_01.9C03.C43.o1.np	Method	AAT/NAP
Start	364	End	2080
GI	4432812	Score	418
Exons	364..597, 1407..1508, 1642..1856, 2045..2080		
GI Descrip.	(AC006593) putative cysteinyl-tRNA synthetase [Arabidopsis		

thaliana]

Seq. No.	12705	Seq. ID	OJ990430_01.9C03.C43
Gene No.	26856	Strand	-
Start	364	End	2080
Name	OJ990430_01.9C03.C43.o1.ts	Method	TBLASTX:Soybean
Start	397	End	603
GI	none	Score	103
Exons	397..603, 398..595		

Seq. No.	12706	Seq. ID	OJ990430_01.9C03.C44
Gene No.	26857	Strand	-
Start	1	End	2679
Name	OJ990430_01.9C03.C44.o1.np	Method	AAT/NAP
Start	1	End	2679
GI	4432812	Score	976
Exons	1..304, 1194..1319, 1394..1675, 1821..1991, 2441..2679		
GI Descrip.	(AC006593) putative cysteinyl-tRNA synthetase [Arabidopsis thaliana]		

Seq. No.	12706	Seq. ID	OJ990430_01.9C03.C44
Gene No.	26857	Strand	-
Start	1	End	2679
Name	OJ990430_01.9C03.C44.o1.gs	Method	GENSCAN
Start	104	End	2524
GI	none	Score	.89
Exons	104..304, 1194..1319, 1394..1675, 1821..1991, 2441..2524		

Seq. No.	12706	Seq. ID	OJ990430_01.9C03.C44
Gene No.	26857	Strand	-
Start	1	End	2679
Name	OJ990430_01.9C03.C44.o1.tm	Method	TBLASTX:Maize
Start	158	End	2630
GI	none	Score	57
Exons	158..250, 284..307, 1185..1334, 1216..1305, 1391..1696, 1401..1682, 1406..1693, 1821..2000, 1822..1995, 1898..1996, 2438..2602, 2442..2630		

Seq. No.	12706	Seq. ID	OJ990430_01.9C03.C44
Gene No.	26857	Strand	-
Start	1	End	2679
Name	OJ990430_01.9C03.C44.o1.ts	Method	TBLASTX:Soybean
Start	1194	End	1696
GI	none	Score	61
Exons	1194..1334, 1216..1347, 1386..1679, 1388..1696, 1391..1696		

Seq. No.	12706	Seq. ID	OJ990430_01.9C03.C44
Gene No.	26857	Strand	-
Start	1	End	2679
Name	OJ990430_01.9C03.C44.o1.tc	Method	TBLASTX:Cress
Start	1215	End	1673
GI	none	Score	61
Exons	1215..1328, 1216..1305, 1378..1671, 1391..1672, 1391..1672, 1401..1673		

Seq. No.	12707	Seq. ID	OJ990430_01.9C03.C45
Gene No.	26858	Strand	+

Start	327	End	4628
Name	OJ990430_01.9C03.C45.o1.gs	Method	GENSCAN
Start	327	End	4628
GI	none	Score	.61
Exons	327..729, 853..984, 1465..1627, 1783..1807, 2549..3119, 3628..4250, 4494..4628		

Seq. No.	12708	Seq. ID	OJ990430_01.9C03.C46
Gene No.	26859	Strand	+
Start	1	End	4012
Name	OJ990430_01.9C03.C46.o2.np	Method	AAT/NAP
Start	1	End	3870
GI	2358287	Score	212
Exons	1..22, 3144..3208, 3302..3484, 3582..3626, 3739..3870		
GI Descrip.	(AF010404) ALR [Homo sapiens]		

Seq. No.	12708	Seq. ID	OJ990430_01.9C03.C46
Gene No.	26859	Strand	+
Start	1	End	4012
Name	OJ990430_01.9C03.C46.o1.gs	Method	GENSCAN
Start	511	End	3873
GI	none	Score	.85
Exons	511..582, 1272..1355, 2577..2726, 2812..2955, 3095..3208, 3302..3484, 3739..3873		

Seq. No.	12708	Seq. ID	OJ990430_01.9C03.C46
Gene No.	26859	Strand	+
Start	1	End	4012
Name	OJ990430_01.9C03.C46.o1.gp	Method	AAT/GAP
Start	3562	End	4012
GI	69773_1.R1084	Score	618
Exons	3562..3626, 3739..4012		
GI Descrip.	'3309543 1.0e-12 (AF036382) MLL [Fugu rubripes]'		

Seq. No.	12708	Seq. ID	OJ990430_01.9C03.C46
Gene No.	26860	Strand	-
Start	4303	End	6301
Name	OJ990430_01.9C03.C46.o3.tm	Method	TBLASTX:Maize
Start	315	End	2092
GI	none	Score	68
Exons	315..371, 318..371, 1091..1195, 1091..1198, 1092..1199, 1263..1358, 1271..1357, 1715..1867, 1716..1868, 1716..1868, 1965..2021, 2018..2092, 2019..2090		

Seq. No.	12708	Seq. ID	OJ990430_01.9C03.C46
Gene No.	26860	Strand	-
Start	4303	End	6301
Name	OJ990430_01.9C03.C46.o1.tm	Method	TBLASTX:Maize
Start	2347	End	3881
GI	none	Score	120
Exons	2347..2427, 2349..2426, 2571..2726, 2576..2725, 2578..2727, 2802..2885, 2811..2843, 2815..2883, 2887..2958, 2904..2981, 3093..3209, 3094..3210, 3097..3207, 3098..3214, 3304..3483, 3305..3484, 3553..3627, 3579..3638, 3581..3637, 3735..3881, 3738..3872, 3751..3873		

Seq. No.	12708	Seq. ID	OJ990430_01.9C03.C46

Gene No.	26860	Strand	-
Start	4303	End	6301
Name	OJ990430_01.9C03.C46.o2.gs	Method	GENSCAN
Start	4303	End	6279
GI	none	Score	.84
Exons	4303..4582, 4833..4957, 5047..6279		

Seq. No.	12708	Seq. ID	OJ990430_01.9C03.C46
Gene No.	26860	Strand	-
Start	4303	End	6301
Name	OJ990430_01.9C03.C46.o2.tm	Method	TBLASTX:Maize
Start	4528	End	5125
GI	none	Score	62
Exons	4528..4590, 4529..4606, 4654..4761, 4668..4739, 4832..4915, 4832..4915, 4836..4916, 5041..5082, 5087..5125		

Seq. No.	12708	Seq. ID	OJ990430_01.9C03.C46
Gene No.	26860	Strand	-
Start	4303	End	6301
Name	OJ990430_01.9C03.C46.o1.ts	Method	TBLASTX:Soybean
Start	5713	End	6192
GI	none	Score	109
Exons	5713..5781, 5887..5934, 5933..6076, 5935..6081, 6013..6105, 6148..6192		

Seq. No.	12708	Seq. ID	OJ990430_01.9C03.C46
Gene No.	26860	Strand	-
Start	4303	End	6301
Name	OJ990430_01.9C03.C46.o2.gp	Method	AAT/GAP
Start	6034	End	6301
GI	2442811	Score	493
Exons	6034..6301		

Seq. No.	12709	Seq. ID	OJ990430_01.9C03.C47
Gene No.	26861	Strand	+
Start	328	End	5145
Name	OJ990430_01.9C03.C47.o1.gs	Method	GENSCAN
Start	328	End	1386
GI	none	Score	.95
Exons	328..1386		

Seq. No.	12709	Seq. ID	OJ990430_01.9C03.C47
Gene No.	26861	Strand	+
Start	328	End	5145
Name	OJ990430_01.9C03.C47.o1.np	Method	AAT/NAP
Start	401	End	5145
GI	6523547	Score	348
Exons	401..744, 2012..2213, 2274..2360, 4479..4862, 4918..5145		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	12709	Seq. ID	OJ990430_01.9C03.C47
Gene No.	26861	Strand	+
Start	328	End	5145
Name	OJ990430_01.9C03.C47.o2.gs	Method	GENSCAN
Start	1890	End	3236
GI	none	Score	1

Exons	1890..3236		
Seq. No.	12709	Seq. ID	OJ990430_01.9C03.C47
Gene No.	26862	Strand	-
Start	3704	End	4662
Name	OJ990430_01.9C03.C47.o3.gs	Method	GENSCAN
Start	3704	End	4662
GI	none	Score	.8
Exons	3704..3771, 4227..4314, 4522..4662		
Seq. No.	12710	Seq. ID	OJ990430_01.9C03.C48
Gene No.	26863	Strand	+
Start	99	End	886
Name	OJ990430_01.9C03.C48.o1.gs	Method	GENSCAN
Start	99	End	886
GI	none	Score	.95
Exons	99..414, 759..886		
Seq. No.	12711	Seq. ID	OJ990430_01.9C03.C49
Gene No.	26864	Strand	+
Start	142	End	641
Name	OJ990430_01.9C03.C49.o1.gs	Method	GENSCAN
Start	142	End	639
GI	none	Score	.79
Exons	142..295, 380..451, 529..639		
Seq. No.	12711	Seq. ID	OJ990430_01.9C03.C49
Gene No.	26864	Strand	+
Start	142	End	641
Name	OJ990430_01.9C03.C49.o1.gp	Method	AAT/GAP
Start	182	End	450
GI	uC-osroM202036e05b1	Score	318
Exons	182..291, 380..450		
GI Descrip.	'5882723/gb|AAD55276.1|AC008263_7 8.0e-16 (AC008263) F25A4.3 [Arabidopsis thaliana]'		
Seq. No.	12711	Seq. ID	OJ990430_01.9C03.C49
Gene No.	26864	Strand	+
Start	142	End	641
Name	OJ990430_01.9C03.C49.o1.tm	Method	TBLASTX:Maize
Start	529	End	641
GI	none	Score	184
Exons	529..639, 529..633, 531..641		
Seq. No.	12712	Seq. ID	OJ990430_01.9C03.C50
Gene No.	26865	Strand	+
Start	1	End	602
Name	OJ990430_01.9C03.C50.o1.np	Method	AAT/NAP
Start	1	End	602
GI	2827630	Score	360
Exons	1..370, 509..602		
GI Descrip.	(AL021636) putative protein [Arabidopsis thaliana]		
Seq. No.	12712	Seq. ID	OJ990430_01.9C03.C50
Gene No.	26865	Strand	+
Start	1	End	602
Name	OJ990430_01.9C03.C50.o1.tc	Method	TBLASTX:Cress

Start	15	End	359
GI	none	Score	226
Exons	15..71, 114..359, 144..353, 146..358		

Seq. No.	12712	Seq. ID	OJ990430_01.9C03.C50
Gene No.	26865	Strand	+
Start	1	End	602
Name	OJ990430_01.9C03.C50.o1.gs	Method	GENSCAN
Start	18	End	366
GI	none	Score	.75
Exons	18..366		

Seq. No.	12712	Seq. ID	OJ990430_01.9C03.C50
Gene No.	26865	Strand	+
Start	1	End	602
Name	OJ990430_01.9C03.C50.o1.tm	Method	TBLASTX:Maize
Start	107	End	359
GI	none	Score	417
Exons	107..358, 108..359		

Seq. No.	12712	Seq. ID	OJ990430_01.9C03.C50
Gene No.	26865	Strand	+
Start	1	End	602
Name	OJ990430_01.9C03.C50.o1.ts	Method	TBLASTX:Soybean
Start	161	End	368
GI	none	Score	144
Exons	161..286, 162..263, 176..268, 236..367, 240..368		

Seq. No.	12713	Seq. ID	OJ990430_01.9C03.C52
Gene No.	26866	Strand	-
Start	285	End	944
Name	OJ990430_01.9C03.C52.o1.gs	Method	GENSCAN
Start	285	End	944
GI	none	Score	.47
Exons	285..325, 812..944		

Seq. No.	12714	Seq. ID	OJ990430_01.9C03.C54
Gene No.	26867	Strand	+
Start	165	End	216
Name	OJ990430_01.9C03.C54.o1.gp	Method	AAT/GAP
Start	165	End	216
GI	427100	Score	104
Exons	165..216		

Seq. No.	12715	Seq. ID	OJ990430_01.9C03.C57
Gene No.	26868	Strand	-
Start	45	End	119
Name	OJ990430_01.9C03.C57.o1.gs	Method	GENSCAN
Start	45	End	119
GI	none	Score	1
Exons	45..119		

Seq. No.	12716	Seq. ID	OJ990430_01.9C03.C58
Gene No.	26869	Strand	+
Start	1	End	718
Name	OJ990430_01.9C03.C58.o1.np	Method	AAT/NAP
Start	1	End	718

GI	6498428	Score	74
Exons	1..102, 241..315, 408..519, 641..718		
GI Descrip.	(AP000815) Similar to Arabidopsis thaliana chromosome II BAC T27A16 sequence; hypothetical protein. (AC005496) [Oryza sativa]		

Seq. No.	12716	Seq. ID	OJ990430_01.9C03.C58
Gene No.	26869	Strand	+
Start	1	End	718
Name	OJ990430_01.9C03.C58.o1.ts	Method	TBLASTX:Soybean
Start	238	End	491
GI	none	Score	107
Exons	238..315, 239..328, 408..491, 409..489, 429..491		

Seq. No.	12716	Seq. ID	OJ990430_01.9C03.C58
Gene No.	26869	Strand	+
Start	1	End	718
Name	OJ990430_01.9C03.C58.o1.gs	Method	GENSCAN
Start	241	End	619
GI	none	Score	.64
Exons	241..315, 408..488, 562..619		

Seq. No.	12717	Seq. ID	OJ990430_01.9C03.C59
Gene No.	26870	Strand	-
Start	94	End	222
Name	OJ990430_01.9C03.C59.o1.gs	Method	GENSCAN
Start	94	End	222
GI	none	Score	.42
Exons	94..222		

Seq. No.	12718	Seq. ID	OJ990430_01.9C03.C60
Gene No.	26871	Strand	+
Start	245	End	649
Name	OJ990430_01.9C03.C60.o1.tm	Method	TBLASTX:Maize
Start	15	End	649
GI	none	Score	120
Exons	15..95, 16..96, 17..94, 239..394, 244..396, 244..393, 470..553, 479..511, 483..551, 555..626, 572..649		

Seq. No.	12718	Seq. ID	OJ990430_01.9C03.C60
Gene No.	26871	Strand	+
Start	245	End	649
Name	OJ990430_01.9C03.C60.o1.gs	Method	GENSCAN
Start	245	End	623
GI	none	Score	.65
Exons	245..394, 480..623		

Seq. No.	12719	Seq. ID	OJ990430_01.9C03.C61
Gene No.	26872	Strand	-
Start	1	End	1739
Name	OJ990430_01.9C03.C61.o1.np	Method	AAT/NAP
Start	1	End	1739
GI	4115377	Score	1545
Exons	1..642, 761..914, 1008..1120, 1214..1316, 1388..1497, 1592..1739		
GI Descrip.	(AC005967) putative multispanning membrane protein [Arabidopsis thaliana]		

Seq. No.	12719	Seq. ID	OJ990430_01.9C03.C61

Gene No.	26872	Strand	-
Start	1	End	1739
Name	OJ990430_01.9C03.C61.o1.ts	Method	TBLASTX:Soybean
Start	1	End	1258
GI	none	Score	646
Exons	1..642, 2..643, 487..648, 573..644, 760..894, 761..913, 773..916, 780..917, 1008..1157, 1010..1129, 1214..1258		

Seq. No.	12719	Seq. ID	OJ990430_01.9C03.C61
Gene No.	26872	Strand	-
Start	1	End	1739
Name	OJ990430_01.9C03.C61.o1.tm	Method	TBLASTX:Maize
Start	1	End	1739
GI	none	Score	439
Exons	1..438, 1..642, 2..643, 5..649, 484..648, 759..878, 760..885, 772..903, 773..916, 780..917, 992..1129, 1008..1130, 1214..1264, 1214..1258, 1221..1265, 1258..1314, 1268..1315, 1269..1319, 1270..1320, 1388..1480, 1443..1481, 1458..1502, 1563..1739, 1580..1738, 1593..1739		

Seq. No.	12719	Seq. ID	OJ990430_01.9C03.C61
Gene No.	26872	Strand	-
Start	1	End	1739
Name	OJ990430_01.9C03.C61.o1.gp	Method	AAT/GAP
Start	1	End	375
GI	26400_1.R1084	Score	734
Exons	1..375		
GI Descrip.	'4115377 1.0e-84 (AC005967) unknown protein [Arabidopsis thaliana]'		

Seq. No.	12719	Seq. ID	OJ990430_01.9C03.C61
Gene No.	26872	Strand	-
Start	1	End	1739
Name	OJ990430_01.9C03.C61.o1.tc	Method	TBLASTX:Cress
Start	19	End	435
GI	none	Score	340
Exons	19..66, 85..435, 89..433, 91..435		

Seq. No.	12719	Seq. ID	OJ990430_01.9C03.C61
Gene No.	26872	Strand	-
Start	1	End	1739
Name	OJ990430_01.9C03.C61.o1.gs	Method	GENSCAN
Start	42	End	1476
GI	none	Score	.56
Exons	42..642, 761..914, 1008..1120, 1214..1316, 1388..1476		

Seq. No.	12719	Seq. ID	OJ990430_01.9C03.C61
Gene No.	26872	Strand	-
Start	1	End	1739
Name	OJ990430_01.9C03.C61.o1.tw	Method	TBLASTX:Wheat
Start	79	End	411
GI	none	Score	104
Exons	79..189, 193..411, 200..403		

Seq. No.	12719	Seq. ID	OJ990430_01.9C03.C61
Gene No.	26872	Strand	-
Start	1	End	1739

Name	OJ990430_01.9C03.C61.o3.tc	Method	TBLASTX:Cress
Start	446	End	653
GI	none	Score	155
Exons	446..568, 469..642, 476..643, 487..648, 510..653		

Seq. No.	12719	Seq. ID	OJ990430_01.9C03.C61
Gene No.	26872	Strand	-
Start	1	End	1739
Name	OJ990430_01.9C03.C61.o2.gp	Method	AAT/GAP
Start	479	End	1319
GI	uC-osrocyp004g06b1	Score	998
Exons	479..642, 761..914, 1008..1120, 1214..1319		
GI Descrip.	'4115377 1.0e-70 (AC005967) unknown protein [Arabidopsis thaliana]'		

Seq. No.	12719	Seq. ID	OJ990430_01.9C03.C61
Gene No.	26872	Strand	-
Start	1	End	1739
Name	OJ990430_01.9C03.C61.o2.tc	Method	TBLASTX:Cress
Start	773	End	1739
GI	none	Score	76
Exons	773..874, 780..881, 1008..1130, 1010..1129, 1214..1267, 1271..1315, 1387..1497, 1584..1739, 1595..1738		

Seq. No.	12719	Seq. ID	OJ990430_01.9C03.C61
Gene No.	26872	Strand	-
Start	1	End	1739
Name	OJ990430_01.9C03.C61.o2.ts	Method	TBLASTX:Soybean
Start	1271	End	1739
GI	none	Score	79
Exons	1271..1315, 1387..1497, 1576..1731, 1584..1739, 1592..1738		

Seq. No.	12719	Seq. ID	OJ990430_01.9C03.C61
Gene No.	26872	Strand	-
Start	1	End	1739
Name	OJ990430_01.9C03.C61.o3.gp	Method	AAT/GAP
Start	1436	End	1739
GI	25271_1.R1084	Score	376
Exons	1436..1497, 1592..1739		
GI Descrip.	'4115377 5.0e-30 (AC005967) unknown protein [Arabidopsis thaliana]'		

Seq. No.	12720	Seq. ID	OJ990430_01.9C03.C63
Gene No.	26873	Strand	-
Start	374	End	410
Name	OJ990430_01.9C03.C63.o1.gs	Method	GENSCAN
Start	374	End	410
GI	none	Score	.76
Exons	374..410		

Seq. No.	12721	Seq. ID	OJ990430_01.9C03.C64
Gene No.	26874	Strand	+
Start	1	End	460
Name	OJ990430_01.9C03.C64.o1.np	Method	AAT/NAP
Start	1	End	460
GI	6321911	Score	89
Exons	1..136, 230..460		

GI Descrip.	trithorax; Set1p gi|731707|sp|P38827|SET1_YEAST SET1 PROTEIN gi|626647|pir||S48961 hypothetical protein YHR119w - yeast (Saccharomyces cerevisiae) gi|529135 (U00059) Set1p [Saccharomyces cerevisiae]		
Seq. No.	12721	Seq. ID	OJ990430_01.9C03.C64
Gene No.	26874	Strand	+
Start	1	End	460
Name	OJ990430_01.9C03.C64.o1.tm	Method	TBLASTX:Maize
Start	32	End	394
GI	none	Score	175
Exons	32..142, 34..135, 208..393, 232..393, 233..394		
Seq. No.	12721	Seq. ID	OJ990430_01.9C03.C64
Gene No.	26874	Strand	+
Start	1	End	460
Name	OJ990430_01.9C03.C64.o1.gs	Method	GENSCAN
Start	230	End	377
GI	none	Score	.62
Exons	230..377		
Seq. No.	12722	Seq. ID	OJ990430_01.9C03.C66
Gene No.	26875	Strand	+
Start	65	End	145
Name	OJ990430_01.9C03.C66.o1.gs	Method	GENSCAN
Start	65	End	145
GI	none	Score	.54
Exons	65..145		
Seq. No.	12723	Seq. ID	OJ990430_01.9C03.C67
Gene No.	26876	Strand	-
Start	1126	End	1281
Name	OJ990430_01.9C03.C67.o1.gs	Method	GENSCAN
Start	1126	End	1281
GI	none	Score	.96
Exons	1126..1281		
Seq. No.	12724	Seq. ID	OJ990430_01.9C03.C68
Gene No.	26877	Strand	+
Start	110	End	9380
Name	OJ990430_01.9C03.C68.o1.gs	Method	GENSCAN
Start	110	End	8657
GI	none	Score	.91
Exons	110..200, 3866..4262, 7616..8657		
Seq. No.	12724	Seq. ID	OJ990430_01.9C03.C68
Gene No.	26877	Strand	+
Start	110	End	9380
Name	OJ990430_01.9C03.C68.o1.np	Method	AAT/NAP
Start	3597	End	9380
GI	4038043	Score	860
Exons	3597..3771, 3866..4262, 7616..8564, 9180..9380		
GI Descrip.	(AC005936) putative C2H2-type zinc finger protein [Arabidopsis thaliana]		
Seq. No.	12724	Seq. ID	OJ990430_01.9C03.C68
Gene No.	26877	Strand	+

Start	110	End	9380
Name	OJ990430_01.9C03.C68.o1.tm	Method	TBLASTX:Maize
Start	3597	End	7661
GI	none	Score	56
Exons	3597..3644, 3741..3770, 3861..3953, 3862..4041, 3996..4013, 4033..4275, 4041..4298, 7605..7661, 7614..7658		

Seq. No.	12724	Seq. ID	OJ990430_01.9C03.C68
Gene No.	26877	Strand	+
Start	110	End	9380
Name	OJ990430_01.9C03.C68.o1.tc	Method	TBLASTX:Cress
Start	3741	End	7682
GI	none	Score	55
Exons	3741..3773, 3865..3948, 3865..3939, 3867..3947, 3934..4158, 3996..4151, 4156..4263, 4158..4262, 7614..7682		

Seq. No.	12724	Seq. ID	OJ990430_01.9C03.C68
Gene No.	26877	Strand	+
Start	110	End	9380
Name	OJ990430_01.9C03.C68.o1.ts	Method	TBLASTX:Soybean
Start	3906	End	4242
GI	none	Score	566
Exons	3906..3953, 3907..4242, 3996..4241		

Seq. No.	12724	Seq. ID	OJ990430_01.9C03.C68
Gene No.	26877	Strand	+
Start	110	End	9380
Name	OJ990430_01.9C03.C68.o2.np	Method	AAT/NAP
Start	7612	End	9380
GI	4038043	Score	137
Exons	7612..8564, 9180..9380		
GI Descrip.	(AC005936) putative C2H2-type zinc finger protein [Arabidopsis thaliana]		

Seq. No.	12725	Seq. ID	OJ990430_01.9C03.C70
Gene No.	26878	Strand	+
Start	615	End	1805
Name	OJ990430_01.9C03.C70.o1.gp	Method	AAT/GAP
Start	615	End	1310
GI	uC-osroM202036e05b1	Score	435
Exons	615..678, 796..860, 1176..1310		
GI Descrip.	'5882723/gb|AAD55276.1|AC008263_7 8.0e-16 (AC008263) F25A4.3 [Arabidopsis thaliana]'		

Seq. No.	12725	Seq. ID	OJ990430_01.9C03.C70
Gene No.	26878	Strand	+
Start	615	End	1805
Name	OJ990430_01.9C03.C70.o1.gs	Method	GENSCAN
Start	670	End	1245
GI	none	Score	.61
Exons	670..678, 1176..1245		

Seq. No.	12725	Seq. ID	OJ990430_01.9C03.C70
Gene No.	26878	Strand	+
Start	615	End	1805
Name	OJ990430_01.9C03.C70.o1.np	Method	AAT/NAP
Start	1165	End	1805

GI	6646763	Score	65
Exons	1165..1323, 1717..1805		
GI Descrip.	(AC013258) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12726	Seq. ID	OJ990430_01.9C03.C73
Gene No.	26879	Strand	-
Start	523	End	1594
Name	OJ990430_01.9C03.C73.o2.tm	Method	TBLASTX:Maize
Start	467	End	664
GI	none	Score	236
Exons	467..664, 467..643, 469..645		

Seq. No.	12726	Seq. ID	OJ990430_01.9C03.C73
Gene No.	26879	Strand	-
Start	523	End	1594
Name	OJ990430_01.9C03.C73.o1.np	Method	AAT/NAP
Start	523	End	1594
GI	2827630	Score	816
Exons	523..732, 917..1594		
GI Descrip.	(AL021636) putative protein [Arabidopsis thaliana]		

Seq. No.	12726	Seq. ID	OJ990430_01.9C03.C73
Gene No.	26879	Strand	-
Start	523	End	1594
Name	OJ990430_01.9C03.C73.o2.tc	Method	TBLASTX:Cress
Start	537	End	685
GI	none	Score	135
Exons	537..683, 538..684, 545..685		

Seq. No.	12726	Seq. ID	OJ990430_01.9C03.C73
Gene No.	26879	Strand	-
Start	523	End	1594
Name	OJ990430_01.9C03.C73.o2.ts	Method	TBLASTX:Soybean
Start	555	End	1155
GI	none	Score	103
Exons	555..674, 556..678, 556..678, 566..679, 948..1076, 949..1080, 1014..1154, 1030..1155, 1048..1140, 1053..1154		

Seq. No.	12726	Seq. ID	OJ990430_01.9C03.C73
Gene No.	26879	Strand	-
Start	523	End	1594
Name	OJ990430_01.9C03.C73.o1.gs	Method	GENSCAN
Start	950	End	1544
GI	none	Score	.82
Exons	950..1544		

Seq. No.	12726	Seq. ID	OJ990430_01.9C03.C73
Gene No.	26879	Strand	-
Start	523	End	1594
Name	OJ990430_01.9C03.C73.o1.tc	Method	TBLASTX:Cress
Start	957	End	1586
GI	none	Score	149
Exons	957..1202, 958..1170, 963..1172, 1230..1586, 1245..1337, 1415..1543		

Seq. No.	12726	Seq. ID	OJ990430_01.9C03.C73
Gene No.	26879	Strand	-

Start	523	End	1594
Name	OJ990430_01.9C03.C73.o1.tm	Method	TBLASTX:Maize
Start	957	End	1209
GI	none	Score	373
Exons	957..1208, 958..1209		

Seq. No.	12726	Seq. ID	OJ990430_01.9C03.C73
Gene No.	26879	Strand	-
Start	523	End	1594
Name	OJ990430_01.9C03.C73.o1.ts	Method	TBLASTX:Soybean
Start	1299	End	1556
GI	none	Score	103
Exons	1299..1556, 1373..1513		

Seq. No.	12727	Seq. ID	OJ990430_01.9C03.C74
Gene No.	26880	Strand	+
Start	552	End	1366
Name	OJ990430_01.9C03.C74.o1.np	Method	AAT/NAP
Start	552	End	1363
GI	3044218	Score	264
Exons	552..643, 1241..1363		
GI Descrip.	(AF057144) signal peptidase [Arabidopsis thaliana]		

Seq. No.	12727	Seq. ID	OJ990430_01.9C03.C74
Gene No.	26880	Strand	+
Start	552	End	1366
Name	OJ990430_01.9C03.C74.o1.gs	Method	GENSCAN
Start	557	End	1366
GI	none	Score	.68
Exons	557..643, 1241..1366		

Seq. No.	12727	Seq. ID	OJ990430_01.9C03.C74
Gene No.	26881	Strand	-
Start	1239	End	1634
Name	OJ990430_01.9C03.C74.o1.tc	Method	TBLASTX:Cress
Start	551	End	1379
GI	none	Score	109
Exons	551..634, 556..633, 1238..1378, 1238..1363, 1240..1365, 1269..1379		

Seq. No.	12727	Seq. ID	OJ990430_01.9C03.C74
Gene No.	26881	Strand	-
Start	1239	End	1634
Name	OJ990430_01.9C03.C74.o1.tm	Method	TBLASTX:Maize
Start	551	End	1504
GI	none	Score	162
Exons	551..676, 554..649, 556..675, 1228..1365, 1228..1365, 1229..1366, 1238..1378, 1239..1367, 1423..1491, 1424..1504		

Seq. No.	12727	Seq. ID	OJ990430_01.9C03.C74
Gene No.	26881	Strand	-
Start	1239	End	1634
Name	OJ990430_01.9C03.C74.o1.ts	Method	TBLASTX:Soybean
Start	551	End	1366
GI	none	Score	143
Exons	551..676, 563..673, 1237..1341, 1238..1366, 1238..1342, 1240..1365		

Seq. No.	12727	Seq. ID	OJ990430_01.9C03.C74
Gene No.	26881	Strand	-
Start	1239	End	1634
Name	OJ990430_01.9C03.C74.o2.gp	Method	AAT/GAP
Start	1239	End	1634
GI	uC-osroM202039h10a1	Score	752
Exons	1239..1634		
GI Descrip.	'3044218 1.0e-14 (AF057144) signal peptidase [Arabidopsis thaliana]'		

Seq. No.	12728	Seq. ID	OJ990430_01.9C03.C75
Gene No.	26882	Strand	+
Start	4729	End	7260
Name	OJ990430_01.9C03.C75.o2.np	Method	AAT/NAP
Start	3973	End	6658
GI	462484	Score	264
Exons	3973..4039, 5572..6080, 6134..6658		
GI Descrip.	LONG-CHAIN-FATTY-ACID--COA LIGASE (LONG-CHAIN ACYL-COA SYNTHETASE) gi|1084077|pir||S41589 long-chain-fatty-acid--CoA ligase (EC 6.2.1.3) fadD - Escherichia coli gi|581070|emb|CAA50321| (X70994) acyl coenzyme A synthetase [Escherichia coli] gi|1736438|dbj|BAA15609| (D90824) Long-chain-fatty-acid--CoA ligase (EC 6.2.1.3) (Long-chain acyl-CoA synthetase). [Escherichia		

Seq. No.	12728	Seq. ID	OJ990430_01.9C03.C75
Gene No.	26882	Strand	+
Start	4729	End	7260
Name	OJ990430_01.9C03.C75.o1.np	Method	AAT/NAP
Start	4729	End	7260
GI	6063549	Score	1855
Exons	4729..4926, 5190..6655, 7161..7260		
GI Descrip.	(AP000615) EST AU070346(S12172) corresponds to a region of the predicted gene.; similar to AMP-binding protein. (X94625) [Oryza sativa]		

Seq. No.	12728	Seq. ID	OJ990430_01.9C03.C75
Gene No.	26882	Strand	+
Start	4729	End	7260
Name	OJ990430_01.9C03.C75.o2.gs	Method	GENSCAN
Start	4729	End	6724
GI	none	Score	.88
Exons	4729..4994, 5061..5086, 5190..6724		

Seq. No.	12728	Seq. ID	OJ990430_01.9C03.C75
Gene No.	26883	Strand	-
Start	3782	End	3885
Name	OJ990430_01.9C03.C75.o1.gp	Method	AAT/GAP
Start	3782	End	3885
GI	LIB3477-003-P1-K1-E9	Score	122
Exons	3782..3885		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	12728	Seq. ID	OJ990430_01.9C03.C75

Gene No.	26884	Strand	
Start	4723	End	6613
Name	OJ990430_01.9C03.C75.o2.tc	Method	TBLASTX:Cress
Start	4723	End	5378
GI	none	Score	212
Exons	4723..4944, 4749..4928, 5189..5344, 5190..5378		

Seq. No.	12728	Seq. ID	OJ990430_01.9C03.C75
Gene No.	26884	Strand	
Start	4723	End	6613
Name	OJ990430_01.9C03.C75.o2.tm	Method	TBLASTX:Maize
Start	4723	End	6031
GI	none	Score	170
Exons	4723..4944, 4728..4910, 5189..5377, 5190..5387, 5567..5887, 5578..5865, 5888..6031, 5974..6030		

Seq. No.	12728	Seq. ID	OJ990430_01.9C03.C75
Gene No.	26884	Strand	
Start	4723	End	6613
Name	OJ990430_01.9C03.C75.o1.ts	Method	TBLASTX:Soybean
Start	4729	End	6613
GI	none	Score	177
Exons	4729..4944, 4746..4904, 5189..5344, 5190..5345, 5563..5793, 5564..5866, 5831..5860, 5888..6124, 5989..6123, 6136..6471, 6137..6613, 6499..6612		

Seq. No.	12728	Seq. ID	OJ990430_01.9C03.C75
Gene No.	26884	Strand	
Start	4723	End	6613
Name	OJ990430_01.9C03.C75.o1.tc	Method	TBLASTX:Cress
Start	5524	End	6613
GI	none	Score	317
Exons	5524..5634, 5567..5911, 5683..5847, 5882..6412, 5986..6411, 6409..6468, 6413..6472, 6494..6577, 6566..6613		

Seq. No.	12728	Seq. ID	OJ990430_01.9C03.C75
Gene No.	26884	Strand	
Start	4723	End	6613
Name	OJ990430_01.9C03.C75.o1.tw	Method	TBLASTX:Wheat
Start	5574	End	5746
GI	none	Score	213
Exons	5574..5651, 5575..5742, 5576..5746, 5606..5746		

Seq. No.	12728	Seq. ID	OJ990430_01.9C03.C75
Gene No.	26884	Strand	
Start	4723	End	6613
Name	OJ990430_01.9C03.C75.o2.tw	Method	TBLASTX:Wheat
Start	5888	End	6096
GI	none	Score	175
Exons	5888..6094, 5968..6096		

Seq. No.	12728	Seq. ID	OJ990430_01.9C03.C75
Gene No.	26884	Strand	
Start	4723	End	6613
Name	OJ990430_01.9C03.C75.o1.tm	Method	TBLASTX:Maize
Start	6118	End	6613
GI	none	Score	139

Exons	6118..6246, 6119..6247, 6179..6247, 6254..6361, 6256..6528, 6257..6493, 6509..6571, 6560..6613		
Seq. No.	12729	Seq. ID	OJ990430_01.9C03.C76
Gene No.	26885	Strand	+
Start	1719	End	2396
Name	OJ990430_01.9C03.C76.o1.gs	Method	GENSCAN
Start	1719	End	2396
GI	none	Score	.83
Exons	1719..1801, 1979..2082, 2121..2254, 2379..2396		
Seq. No.	12730	Seq. ID	OJ990430_01.9C03.C77
Gene No.	26886	Strand	-
Start	1246	End	1345
Name	OJ990430_01.9C03.C77.o1.gp	Method	AAT/GAP
Start	1246	End	1345
GI	LIB3477-003-P1-K1-E9	Score	128
Exons	1246..1345		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	12731	Seq. ID	OJ990730_08.9C10.C1
Gene No.	26887	Strand	+
Start	587	End	1225
Name	OJ990730_08.9C10.C1.o1.gs	Method	GENSCAN
Start	587	End	1225
GI	none	Score	.7
Exons	587..638, 1125..1225		
Seq. No.	12731	Seq. ID	OJ990730_08.9C10.C1
Gene No.	26888	Strand	+
Start	2492	End	6087
Name	OJ990730_08.9C10.C1.o1.np	Method	AAT/NAP
Start	2492	End	6084
GI	2317905	Score	1347
Exons	2492..2722, 2810..3160, 3191..3292, 3341..3584, 3728..3915, 4973..5044, 5117..5196, 5289..5622, 5695..6084		
GI Descrip.	(U89959) bZIP-like protein [Arabidopsis thaliana]		
Seq. No.	12731	Seq. ID	OJ990730_08.9C10.C1
Gene No.	26888	Strand	+
Start	2492	End	6087
Name	OJ990730_08.9C10.C1.o2.gs	Method	GENSCAN
Start	2492	End	6087
GI	none	Score	.76
Exons	2492..3584, 3728..3915, 4973..5149, 5335..6087		
Seq. No.	12731	Seq. ID	OJ990730_08.9C10.C1
Gene No.	26888	Strand	+
Start	2492	End	6087
Name	OJ990730_08.9C10.C1.o1.gp	Method	AAT/GAP
Start	3430	End	5432
GI	5005405	Score	1309
Exons	3430..3584, 3728..3915, 4973..5196, 5289..5432		
GI Descrip.	600855 6.0e-54 (U17887) bZIP protein [Arabidopsis thaliana]		

Seq. No.	12731	Seq. ID	OJ990730_08.9C10.C1
Gene No.	26888	Strand	+
Start	2492	End	6087
Name	OJ990730_08.9C10.C1.o2.gp	Method	AAT/GAP
Start	5713	End	6005
GI	5803362	Score	542
Exons	5713..6005		
GI Descrip.	2317905 1.0e-25 (U89959) bZIP-like protein [Arabidopsis thaliana]		

Seq. No.	12731	Seq. ID	OJ990730_08.9C10.C1
Gene No.	26889	Strand	+
Start	10329	End	11237
Name	OJ990730_08.9C10.C1.o3.tm	Method	TBLASTX:Maize
Start	2944	End	3223
GI	none	Score	184
Exons	2944..2964, 2953..3138, 2963..3139, 3194..3223		

Seq. No.	12731	Seq. ID	OJ990730_08.9C10.C1
Gene No.	26889	Strand	+
Start	10329	End	11237
Name	OJ990730_08.9C10.C1.o2.ts	Method	TBLASTX:Soybean
Start	3404	End	5442
GI	none	Score	179
Exons	3404..3613, 3421..3528, 3727..3831, 3789..3920, 3850..3915, 4967..5188, 4971..5141, 4996..5184, 5294..5371, 5298..5372, 5298..5375, 5299..5376, 5371..5442		

Seq. No.	12731	Seq. ID	OJ990730_08.9C10.C1
Gene No.	26889	Strand	+
Start	10329	End	11237
Name	OJ990730_08.9C10.C1.o1.tc	Method	TBLASTX:Cress
Start	3428	End	6093
GI	none	Score	153
Exons	3428..3583, 3715..3831, 3729..3830, 3849..3920, 3850..3915, 4967..5191, 5071..5190, 5298..5375, 5299..5376, 5380..5517, 5383..5532, 5590..5646, 5647..5673, 5650..5673, 5716..5838, 5775..5837, 5851..6093, 5856..6086		

Seq. No.	12731	Seq. ID	OJ990730_08.9C10.C1
Gene No.	26889	Strand	+
Start	10329	End	11237
Name	OJ990730_08.9C10.C1.o1.tm	Method	TBLASTX:Maize
Start	4973	End	5600
GI	none	Score	296
Exons	4973..5197, 4996..5202, 5288..5596, 5289..5597, 5289..5600, 5299..5598		

Seq. No.	12731	Seq. ID	OJ990730_08.9C10.C1
Gene No.	26889	Strand	+
Start	10329	End	11237
Name	OJ990730_08.9C10.C1.o1.ts	Method	TBLASTX:Soybean
Start	5592	End	5994
GI	5508980	Score	202
Exons	5592..5711, 5593..5754, 5737..5832, 5859..5993, 5860..5994		
GI Descrip.	2317905 1.0e-24 (U89959) bZIP-like protein [Arabidopsis thaliana]		

Seq. No.	12731	Seq. ID	OJ990730_08.9C10.C1
Gene No.	26889	Strand	+
Start	10329	End	11237
Name	OJ990730_08.9C10.C1.o2.tm	Method	TBLASTX:Maize
Start	5602	End	5790
GI	none	Score	293
Exons	5602..5790, 5602..5790		

Seq. No.	12731	Seq. ID	OJ990730_08.9C10.C1
Gene No.	26889	Strand	+
Start	10329	End	11237
Name	OJ990730_08.9C10.C1.o4.tm	Method	TBLASTX:Maize
Start	5967	End	6245
GI	none	Score	104
Exons	5967..6089, 5967..6089, 5968..6090, 6132..6155, 6147..6245, 6149..6175		

Seq. No.	12731	Seq. ID	OJ990730_08.9C10.C1
Gene No.	26889	Strand	+
Start	10329	End	11237
Name	OJ990730_08.9C10.C1.o3.gs	Method	GENSCAN
Start	10329	End	11237
GI	none	Score	.91
Exons	10329..10415, 10470..10572, 10674..11237		

Seq. No.	12732	Seq. ID	OJ990730_08.9C10.C2
Gene No.	26890	Strand	-
Start	595	End	4830
Name	OJ990730_08.9C10.C2.o1.gs	Method	GENSCAN
Start	595	End	3209
GI	none	Score	.89
Exons	595..1525, 2186..2551, 2578..3209		

Seq. No.	12732	Seq. ID	OJ990730_08.9C10.C2
Gene No.	26890	Strand	-
Start	595	End	4830
Name	OJ990730_08.9C10.C2.o1.np	Method	AAT/NAP
Start	598	End	4830
GI	2344901	Score	1338
Exons	598..679, 731..1525, 2186..2430, 2458..2614, 2642..2775, 4735..4830		
GI Descrip.	(AC002388) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	12732	Seq. ID	OJ990730_08.9C10.C2
Gene No.	26890	Strand	-
Start	595	End	4830
Name	OJ990730_08.9C10.C2.o1.tw	Method	TBLASTX:Wheat
Start	611	End	1116
GI	none	Score	49
Exons	611..724, 796..1116, 797..1114		

Seq. No.	12732	Seq. ID	OJ990730_08.9C10.C2
Gene No.	26890	Strand	-
Start	595	End	4830
Name	OJ990730_08.9C10.C2.o1.ts	Method	TBLASTX:Soybean
Start	775	End	2265

GI	none	Score	70
Exons	775..909, 796..1173, 797..1180, 1240..1302, 1318..1485, 1331..1492, 1390..1503, 2185..2265, 2192..2263		

Seq. No.	12732	Seq. ID	OJ990730_08.9C10.C2
Gene No.	26890	Strand	-
Start	595	End	4830
Name	OJ990730_08.9C10.C2.o1.tm	Method	TBLASTX:Maize
Start	778	End	1497
GI	none	Score	126
Exons	778..915, 796..1173, 797..1177, 1240..1287, 1240..1314, 1271..1294, 1318..1485, 1331..1492, 1390..1497		

Seq. No.	12732	Seq. ID	OJ990730_08.9C10.C2
Gene No.	26890	Strand	-
Start	595	End	4830
Name	OJ990730_08.9C10.C2.o1.tc	Method	TBLASTX:Cress
Start	796	End	2551
GI	none	Score	458
Exons	796..1173, 797..1180, 1240..1302, 1264..1296, 1324..1485, 1337..1492, 1390..1497, 2185..2412, 2192..2416, 2461..2550, 2465..2551		

Seq. No.	12732	Seq. ID	OJ990730_08.9C10.C2
Gene No.	26890	Strand	-
Start	595	End	4830
Name	OJ990730_08.9C10.C2.o2.tm	Method	TBLASTX:Maize
Start	2185	End	2554
GI	none	Score	229
Exons	2185..2412, 2192..2416, 2461..2553, 2465..2554		

Seq. No.	12732	Seq. ID	OJ990730_08.9C10.C2
Gene No.	26890	Strand	-
Start	595	End	4830
Name	OJ990730_08.9C10.C2.o2.ts	Method	TBLASTX:Soybean
Start	2266	End	2554
GI	none	Score	124
Exons	2266..2412, 2267..2416, 2461..2553, 2465..2554		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26891	Strand	+
Start	5243	End	11830
Name	OJ990730_08.9C10.C3.o4.np	Method	AAT/NAP
Start	4270	End	7886
GI	2194137	Score	237
Exons	4270..4426, 5386..5513, 5929..6139, 7794..7886		
GI Descrip.	(AC002062) ESTs gb|R29947,gb|H76702 come from this gene. [Arabidopsis thaliana]		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26891	Strand	+
Start	5243	End	11830
Name	OJ990730_08.9C10.C3.o1.gp	Method	AAT/GAP
Start	5132	End	5483
GI	none	Score	667
Exons	5132..5483		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26891	Strand	+
Start	5243	End	11830
Name	OJ990730_08.9C10.C3.o2.gs	Method	GENSCAN
Start	5243	End	11830
GI	none	Score	.54
Exons	5243..5314, 5337..5535, 5930..6150, 6236..6310, 6445..6492, 6574..6726, 7120..7239, 8041..8177, 9942..10031, 11698..11830		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26891	Strand	+
Start	5243	End	11830
Name	OJ990730_08.9C10.C3.o2.gp	Method	AAT/GAP
Start	5980	End	6979
GI	12268_1.R1084	Score	1231
Exons	5980..6150, 6236..6310, 6445..6492, 6574..6979		
GI Descrip.	'1076660/pir||S51839 6.0e-15 D13F(MYBST1) protein - potato >gi_786426_bbs_159122 (S74753) MybSt1=Myb-related transcriptional activator {DNA-binding domain repeats} [Solanum tuberosum=potatoes, leaf, Peptide, 342 aa] [Solanum tuberosum]'		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26892	Strand	+
Start	13185	End	14659
Name	OJ990730_08.9C10.C3.o3.gp	Method	AAT/GAP
Start	12951	End	13300
GI	2280662	Score	665
Exons	12951..13300		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26892	Strand	+
Start	13185	End	14659
Name	OJ990730_08.9C10.C3.o3.gs	Method	GENSCAN
Start	13185	End	14659
GI	none	Score	.68
Exons	13185..13687, 13693..14659		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26893	Strand	+
Start	17052	End	22039
Name	OJ990730_08.9C10.C3.o5.np	Method	AAT/NAP
Start	17030	End	20467
GI	4263787	Score	510
Exons	17030..17112, 17164..17333, 17459..17590, 17729..17854, 18615..18708, 19236..19318, 19400..19489, 19980..20284, 20421..20467		
GI Descrip.	(AC006068) unknown protein [Arabidopsis thaliana]		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26893	Strand	+
Start	17052	End	22039
Name	OJ990730_08.9C10.C3.o4.gs	Method	GENSCAN
Start	17052	End	22039
GI	none	Score	.64
Exons	17052..17308, 17764..17854, 18615..18708, 19194..19318, 19456..19489, 19859..20272, 21328..21531, 21843..22039		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26893	Strand	+
Start	17052	End	22039
Name	OJ990730_08.9C10.C3.o4.gp	Method	AAT/GAP
Start	17807	End	20294
GI	6990_1.R1084	Score	1148
Exons	17807..17854, 18615..18708, 19236..19318, 19400..19489, 19980..20294		
GI Descrip.	'4263787/gb|AAD15447| 1.0e-45 (AC006068) unknown protein [Arabidopsis thaliana]'		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26894	Strand	+
Start	40705	End	41105
Name	OJ990730_08.9C10.C3.o6.gp	Method	AAT/GAP
Start	40705	End	41105
GI	3763039	Score	682
Exons	40705..41105		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26895	Strand	+
Start	50308	End	53362
Name	OJ990730_08.9C10.C3.o7.gp	Method	AAT/GAP
Start	50127	End	52230
GI	6098_1.R1084	Score	1005
Exons	50127..50584, 52116..52230		
GI Descrip.	'1076660/pir||S51839 6.0e-32 D13F(MYBST1) protein - potato >gi_786426_bbs_159122 (S74753) MybSt1=Myb-related transcriptional activator {DNA-binding domain repeats} [Solanum tuberosum=potatoes, leaf, Peptide, 342 aa] [Solanum tuberosum]'		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26895	Strand	+
Start	50308	End	53362
Name	OJ990730_08.9C10.C3.o10.gs	Method	GENSCAN
Start	50308	End	53174
GI	none	Score	.55
Exons	50308..50584, 52071..52324, 52604..53011, 53157..53174		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26895	Strand	+
Start	50308	End	53362
Name	OJ990730_08.9C10.C3.o8.np	Method	AAT/NAP
Start	52103	End	53108
GI	2062176	Score	335
Exons	52103..52324, 52582..53108		
GI Descrip.	(AC001645) Myb-related transcription activator (MybSt1) isolog [Arabidopsis thaliana]		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26895	Strand	+
Start	50308	End	53362
Name	OJ990730_08.9C10.C3.o8.gp	Method	AAT/GAP
Start	52625	End	53362
GI	4371_1.R1084	Score	1414
Exons	52625..53362		
GI Descrip.	'2344894 2.0e-17 (AC002388) hypothetical protein [Arabidopsis		

thaliana]'

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26896	Strand	+
Start	54064	End	54572
Name	OJ990730_08.9C10.C3.o9.gp	Method	AAT/GAP
Start	54064	End	54572
GI	3800_1.R1084	Score	1014
Exons	54064..54572		
GI Descrip.	'1708191/sp|Q07423|HEX6_RICCO 2.0e-38 HEXOSE CARRIER PROTEIN HEX6 >gi_467319 (L08188) hexose carrier protein [Ricinus communis]'		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26897	Strand	+
Start	57048	End	60572
Name	OJ990730_08.9C10.C3.o10.np	Method	AAT/NAP
Start	57048	End	59713
GI	2245102	Score	997
Exons	57048..57080, 58292..58464, 58645..59713		
GI Descrip.	(Z97343) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26897	Strand	+
Start	57048	End	60572
Name	OJ990730_08.9C10.C3.o11.gp	Method	AAT/GAP
Start	57979	End	58472
GI	286592	Score	738
Exons	57979..58472		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26897	Strand	+
Start	57048	End	60572
Name	OJ990730_08.9C10.C3.o12.gs	Method	GENSCAN
Start	58022	End	60572
GI	none	Score	.62
Exons	58022..58464, 58645..59516, 60523..60572		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26898	Strand	+
Start	66106	End	68070
Name	OJ990730_08.9C10.C3.o14.gs	Method	GENSCAN
Start	66106	End	68070
GI	none	Score	.82
Exons	66106..66117, 66588..66703, 67937..68070		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26899	Strand	-
Start	1	End	1163
Name	OJ990730_08.9C10.C3.o1.np	Method	AAT/NAP
Start	1	End	596
GI	2344903	Score	377
Exons	1..596		
GI Descrip.	(AC002388) putative triacylglycerol lipase [Arabidopsis thaliana]		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3

Gene No.	26899	Strand	-
Start	1	End	1163
Name	OJ990730_08.9C10.C3.o1.gs	Method	GENSCAN
Start	42	End	1163
GI	none	Score	.92
Exons	42..1163		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26900	Strand	-
Start	1645	End	2088
Name	OJ990730_08.9C10.C3.o2.np	Method	AAT/NAP
Start	1645	End	2088
GI	6069646	Score	330
Exons	1645..2088		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26901	Strand	-
Start	2369	End	3794
Name	OJ990730_08.9C10.C3.o3.np	Method	AAT/NAP
Start	2369	End	3794
GI	5852084	Score	65
Exons	2369..2506, 3754..3794		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26902	Strand	-
Start	27924	End	29115
Name	OJ990730_08.9C10.C3.o5.gp	Method	AAT/GAP
Start	27653	End	29115
GI	268_2.R1084	Score	2477
Exons	27653..28316, 28412..28755, 28844..29115		
GI Descrip.	'1235565/emb|CAA65456| 9.0e-98 (X96681) DNA-binding protein [Oryza sativa]'		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26902	Strand	-
Start	27924	End	29115
Name	OJ990730_08.9C10.C3.o6.gs	Method	GENSCAN
Start	27924	End	29005
GI	none	Score	.69
Exons	27924..28316, 28412..29005		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26902	Strand	-
Start	27924	End	29115
Name	OJ990730_08.9C10.C3.o6.np	Method	AAT/NAP
Start	27927	End	29042
GI	6634483	Score	1555
Exons	27927..28316, 28412..28755, 28844..29042		
GI Descrip.	(X96681) DNA-binding protein [Oryza sativa] gi|6635777|gb|AAF19980.1|AF211193_1 (AF211193) homeodomain-leucine zipper transcription factor [Oryza sativa]		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26903	Strand	-
Start	40451	End	44245
Name	OJ990730_08.9C10.C3.o8.gs	Method	GENSCAN
Start	40451	End	44245
GI	none	Score	.91
Exons	40451..40636, 40853..41611, 41818..42246, 42342..42443, 42619..42712, 43448..43569, 43844..43962, 44065..44245		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26903	Strand	-
Start	40451	End	44245
Name	OJ990730_08.9C10.C3.o7.np	Method	AAT/NAP
Start	40457	End	42106
GI	3386604	Score	688
Exons	40457..40636, 40853..41611, 41818..42106		
GI Descrip.	(AC004665) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26904	Strand	-
Start	47867	End	48505
Name	OJ990730_08.9C10.C3.o9.gs	Method	GENSCAN
Start	47867	End	48505
GI	none	Score	.52
Exons	47867..48034, 48299..48505		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26905	Strand	-
Start	54238	End	57351
Name	OJ990730_08.9C10.C3.o11.gs	Method	GENSCAN
Start	54238	End	57351
GI	none	Score	.61
Exons	54238..55109, 55128..55323, 56341..56660, 57201..57351		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26905	Strand	-
Start	54238	End	57351
Name	OJ990730_08.9C10.C3.o9.np	Method	AAT/NAP
Start	54247	End	57332
GI	1708191	Score	1697
Exons	54247..55323, 56341..56660, 57201..57332		
GI Descrip.	HEXOSE CARRIER PROTEIN HEX6 gi|467319 (L08188) hexose carrier protein [Ricinus communis]		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26905	Strand	-
Start	54238	End	57351
Name	OJ990730_08.9C10.C3.o10.gp	Method	AAT/GAP
Start	54576	End	55069
GI	LIB3431-037-P1-K1-G5	Score	929
Exons	54576..55069		
GI Descrip.	'1708191/sp|Q07423|HEX6_RICCO 4.0e-42 HEXOSE CARRIER PROTEIN HEX6 >gi_467319 (L08188) hexose carrier protein [Ricinus communis]'		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3

Gene No.	26906	Strand	-
Start	61883	End	64675
Name	OJ990730_08.9C10.C3.o2.ts	Method	TBLASTX:Soybean
Start	3	End	680
GI	none	Score	122
Exons	3..146, 174..329, 184..330, 351..425, 352..426, 445..507, 471..680, 507..557		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26906	Strand	-
Start	61883	End	64675
Name	OJ990730_08.9C10.C3.o9.tm	Method	TBLASTX:Maize
Start	168	End	632
GI	none	Score	71
Exons	168..374, 184..279, 483..632		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26906	Strand	-
Start	61883	End	64675
Name	OJ990730_08.9C10.C3.o5.ts	Method	TBLASTX:Soybean
Start	5868	End	53144
GI	none	Score	291
Exons	5868..6020, 5926..6156, 6016..6129, 50307..50372, 50308..50373, 50320..50418, 50409..50444, 52114..52263, 52115..52321, 52115..52321, 52137..52322, 52880..52972, 52885..52968, 52978..53055, 52997..53056, 53115..53144		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26906	Strand	-
Start	61883	End	64675
Name	OJ990730_08.9C10.C3.o3.tm	Method	TBLASTX:Maize
Start	5926	End	53328
GI	none	Score	291
Exons	5926..6147, 5928..6020, 50307..50408, 50307..50456, 50308..50409, 50409..50444, 50539..50586, 50541..50585, 52113..52322, 52114..52323, 52115..52324, 52601..52693, 52601..52645, 52676..53071, 52697..53011, 52716..53015, 52717..53061, 53017..53076, 53018..53077, 53105..53143, 53106..53141, 53140..53268, 53152..53250, 53248..53328, 53250..53306		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26906	Strand	-
Start	61883	End	64675
Name	OJ990730_08.9C10.C3.o2.tw	Method	TBLASTX:Wheat
Start	5928	End	52324
GI	none	Score	279
Exons	5928..6011, 5929..6150, 6063..6119, 52113..52313, 52114..52323, 52115..52324		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26906	Strand	-
Start	61883	End	64675
Name	OJ990730_08.9C10.C3.o3.tc	Method	TBLASTX:Cress
Start	5928	End	52312
GI	none	Score	267
Exons	5928..6020, 5929..6126, 52114..52257, 52115..52312, 52115..52312		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26906	Strand	-
Start	61883	End	64675
Name	OJ990730_08.9C10.C3.o5.tm	Method	TBLASTX:Maize
Start	17207	End	20602
GI	none	Score	204
Exons	17207..17326, 17208..17327, 17726..17854, 17731..17853, 18614..18709, 18615..18707, 19234..19284, 19237..19293, 19238..19294, 19388..19489, 19399..19488, 19400..19489, 20002..20268, 20003..20140, 20004..20267, 20008..20277, 20009..20278, 20311..20433, 20314..20415, 20318..20419, 20516..20557, 20517..20558, 20522..20560, 20557..20601, 20561..20602		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26906	Strand	-
Start	61883	End	64675
Name	OJ990730_08.9C10.C3.o5.tw	Method	TBLASTX:Wheat
Start	17731	End	19484
GI	none	Score	173
Exons	17731..17853, 17732..17854, 18614..18709, 18615..18707, 19116..19319, 19234..19326, 19237..19320, 19388..19483, 19399..19482, 19401..19484		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26906	Strand	-
Start	61883	End	64675
Name	OJ990730_08.9C10.C3.o2.tc	Method	TBLASTX:Cress
Start	28011	End	28493
GI	none	Score	83
Exons	28011..28070, 28012..28071, 28137..28325, 28237..28317, 28403..28489, 28413..28493		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26906	Strand	-
Start	61883	End	64675
Name	OJ990730_08.9C10.C3.o3.ts	Method	TBLASTX:Soybean
Start	28026	End	28489
GI	none	Score	70
Exons	28026..28079, 28027..28071, 28137..28316, 28237..28317, 28391..28489, 28404..28484		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26906	Strand	-
Start	61883	End	64675
Name	OJ990730_08.9C10.C3.o7.tm	Method	TBLASTX:Maize
Start	28176	End	28493
GI	none	Score	123
Exons	28176..28238, 28236..28325, 28237..28314, 28403..28489, 28404..28493, 28413..28493		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26906	Strand	-
Start	61883	End	64675
Name	OJ990730_08.9C10.C3.o4.ts	Method	TBLASTX:Soybean
Start	40472	End	41476

GI	none	Score	140
Exons	40472..40558, 40565..40663, 40853..40882, 40937..41254, 40944..41255, 41300..41476, 41301..41474		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26906	Strand	-
Start	61883	End	64675
Name	OJ990730_08.9C10.C3.o2.tm	Method	TBLASTX:Maize
Start	40919	End	41614
GI	none	Score	170
Exons	40919..41269, 40932..41258, 41270..41614, 41286..41612, 41294..41614		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26906	Strand	-
Start	61883	End	64675
Name	OJ990730_08.9C10.C3.o3.tw	Method	TBLASTX:Wheat
Start	41126	End	41554
GI	none	Score	63
Exons	41126..41254, 41130..41255, 41288..41455, 41289..41450, 41471..41554, 41471..41539		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26906	Strand	-
Start	61883	End	64675
Name	OJ990730_08.9C10.C3.o4.tc	Method	TBLASTX:Cress
Start	41135	End	41985
GI	none	Score	63
Exons	41135..41257, 41139..41258, 41294..41545, 41298..41552, 41875..41985		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26906	Strand	-
Start	61883	End	64675
Name	OJ990730_08.9C10.C3.o7.ts	Method	TBLASTX:Soybean
Start	41549	End	42195
GI	none	Score	134
Exons	41549..41614, 41834..42106, 41857..42195		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26906	Strand	-
Start	61883	End	64675
Name	OJ990730_08.9C10.C3.o7.tc	Method	TBLASTX:Cress
Start	50307	End	50438
GI	none	Score	199
Exons	50307..50438, 50308..50418		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26906	Strand	-
Start	61883	End	64675
Name	OJ990730_08.9C10.C3.o8.tc	Method	TBLASTX:Cress
Start	52769	End	53053
GI	none	Score	72
Exons	52769..52840, 52871..53020, 52871..52981, 52873..53019, 52993..53019, 53015..53053		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3

Gene No.	26906	Strand	-
Start	61883	End	64675
Name	OJ990730_08.9C10.C3.o4.tm	Method	TBLASTX:Maize
Start	54274	End	54649
GI	none	Score	218
Exons	54274..54648, 54281..54649		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26906	Strand	-
Start	61883	End	64675
Name	OJ990730_08.9C10.C3.o1.tw	Method	TBLASTX:Wheat
Start	54275	End	54618
GI	none	Score	250
Exons	54275..54580, 54289..54618		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26906	Strand	-
Start	61883	End	64675
Name	OJ990730_08.9C10.C3.o1.tc	Method	TBLASTX:Cress
Start	54277	End	57282
GI	none	Score	475
Exons	54277..55182, 54293..55183, 55183..55326, 55187..55324, 56341..56607, 56345..56593, 56582..56668, 56587..56667, 57199..57282		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26906	Strand	-
Start	61883	End	64675
Name	OJ990730_08.9C10.C3.o1.ts	Method	TBLASTX:Soybean
Start	54277	End	57279
GI	none	Score	182
Exons	54277..54648, 54278..54649, 54658..55080, 54659..55081, 55084..55326, 55088..55324, 56341..56640, 56341..56634, 56587..56667, 56600..56662, 56610..56684, 57199..57279		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26906	Strand	-
Start	61883	End	64675
Name	OJ990730_08.9C10.C3.o4.tw	Method	TBLASTX:Wheat
Start	54625	End	55011
GI	none	Score	212
Exons	54625..55011		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26906	Strand	-
Start	61883	End	64675
Name	OJ990730_08.9C10.C3.o1.tm	Method	TBLASTX:Maize
Start	54649	End	55327
GI	none	Score	495
Exons	54649..55077, 54650..55075, 54650..55084, 54651..55076, 55065..55082, 55075..55326, 55079..55324, 55085..55327		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26906	Strand	-
Start	61883	End	64675
Name	OJ990730_08.9C10.C3.o8.tm	Method	TBLASTX:Maize
Start	56398	End	57282

GI	none	Score	170
Exons	56398..56667, 56407..56655, 56408..56662, 56589..56684, 57199..57282, 57200..57280		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26906	Strand	-
Start	61883	End	64675
Name	OJ990730_08.9C10.C3.o6.tc	Method	TBLASTX:Cress
Start	58688	End	59061
GI	none	Score	77
Exons	58688..58771, 58693..58743, 58817..58912, 58831..58905, 58922..59059, 58963..59061		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26906	Strand	-
Start	61883	End	64675
Name	OJ990730_08.9C10.C3.o13.gs	Method	GENSCAN
Start	61883	End	64675
GI	none	Score	.71
Exons	61883..62110, 62388..62645, 62791..63017, 63661..63774, 63832..63970, 64088..64134, 64323..64368, 64520..64675		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26906	Strand	-
Start	61883	End	64675
Name	OJ990730_08.9C10.C3.o11.np	Method	AAT/NAP
Start	61907	End	64129
GI	1617036	Score	1068
Exons	61907..62209, 62388..62645, 62791..63017, 63832..63970, 64088..64129		
GI Descrip.	(Y08624) Ted2 [Vigna unguiculata]		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26906	Strand	-
Start	61883	End	64675
Name	OJ990730_08.9C10.C3.o6.tm	Method	TBLASTX:Maize
Start	61907	End	64157
GI	none	Score	137
Exons	61907..62212, 61908..62201, 62382..62648, 62389..62637, 62397..62648, 62788..63021, 62789..62935, 62824..63021, 63848..63976, 63857..63985, 63883..63993, 64077..64157, 64085..64132		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26906	Strand	-
Start	61883	End	64675
Name	OJ990730_08.9C10.C3.o6.ts	Method	TBLASTX:Soybean
Start	62388	End	62570
GI	none	Score	80
Exons	62388..62567, 62388..62570, 62395..62568		

Seq. No.	12733	Seq. ID	OJ990730_08.9C10.C3
Gene No.	26906	Strand	-
Start	61883	End	64675
Name	OJ990730_08.9C10.C3.o5.tc	Method	TBLASTX:Cress
Start	62443	End	62868
GI	none	Score	203

Exons	62443..62637, 62445..62648, 62788..62868		
Seq. No.	12734	Seq. ID	OJ990730_08.9C10.C4
Gene No.	26907	Strand	+
Start	132	End	848
Name	OJ990730_08.9C10.C4.o1.gs	Method	GENSCAN
Start	132	End	848
GI	none	Score	.99
Exons	132..559, 653..848		
Seq. No.	12734	Seq. ID	OJ990730_08.9C10.C4
Gene No.	26908	Strand	+
Start	9775	End	10200
Name	OJ990730_08.9C10.C4.o3.gs	Method	GENSCAN
Start	9775	End	10200
GI	none	Score	.82
Exons	9775..10200		
Seq. No.	12734	Seq. ID	OJ990730_08.9C10.C4
Gene No.	26909	Strand	-
Start	4539	End	9097
Name	OJ990730_08.9C10.C4.o2.gs	Method	GENSCAN
Start	4539	End	9097
GI	none	Score	.8
Exons	4539..4662, 6128..6261, 6723..6911, 7003..7110, 7269..7414, 7649..7856, 8072..8397, 8636..8684, 9068..9097		
Seq. No.	12734	Seq. ID	OJ990730_08.9C10.C4
Gene No.	26909	Strand	-
Start	4539	End	9097
Name	OJ990730_08.9C10.C4.o1.np	Method	AAT/NAP
Start	4571	End	7484
GI	115009	Score	265
Exons	4571..4662, 4980..5048, 5127..5277, 5516..5604, 6128..6261, 6343..6456, 6654..6795, 6838..6911, 7003..7110, 7302..7484		
GI Descrip.	8-AMINO-7-OXONONANOATE SYNTHASE (7-KETO-8-AMINO-PELARGONIC ACID SYNTHETASE) (7-KAP SYNTHETASE) (L-ALANINE--PIMELYL COA LIGASE) gi|98180|pir||JQ0512 8-amino-7-oxononanoate synthase (EC 2.3.1.47) - Bacillus sphaericus gi|142595 (M29291) 7-keto-8-aminopelargonic acid synthetase (bioF) [Bacillus sphaericus]		
Seq. No.	12734	Seq. ID	OJ990730_08.9C10.C4
Gene No.	26909	Strand	-
Start	4539	End	9097
Name	OJ990730_08.9C10.C4.o1.gp	Method	AAT/GAP
Start	7301	End	7850
GI	3061202	Score	497
Exons	7301..7414, 7649..7850		
Seq. No.	12734	Seq. ID	OJ990730_08.9C10.C4
Gene No.	26910	Strand	-
Start	11251	End	12312
Name	OJ990730_08.9C10.C4.o2.tm	Method	TBLASTX:Maize
Start	4539	End	5595
GI	none	Score	111
Exons	4539..4667, 4541..4678, 4541..4678, 4961..5050, 4972..5052,		

4972..5052, 4976..5053, 5117..5284, 5118..5279, 5517..5591, 5517..5594, 5521..5595, 5521..5595

Seq. No.	12734	Seq. ID	OJ990730_08.9C10.C4
Gene No.	26910	Strand	-
Start	11251	End	12312
Name	OJ990730_08.9C10.C4.o1.ts	Method	TBLASTX:Soybean
Start	4596	End	6882
GI	none	Score	52
Exons	4596..4667, 4961..5050, 4976..5062, 5117..5278, 5139..5279, 5523..5609, 5527..5607, 6128..6262, 6130..6261, 6343..6444, 6344..6442, 6536..6577, 6538..6576, 6672..6881, 6684..6881, 6685..6882		

Seq. No.	12734	Seq. ID	OJ990730_08.9C10.C4
Gene No.	26910	Strand	-
Start	11251	End	12312
Name	OJ990730_08.9C10.C4.o1.tm	Method	TBLASTX:Maize
Start	6193	End	6914
GI	none	Score	107
Exons	6193..6261, 6194..6256, 6327..6431, 6342..6431, 6343..6444, 6344..6442, 6536..6577, 6537..6575, 6537..6602, 6538..6576, 6672..6914, 6673..6912		

Seq. No.	12734	Seq. ID	OJ990730_08.9C10.C4
Gene No.	26910	Strand	-
Start	11251	End	12312
Name	OJ990730_08.9C10.C4.o4.gs	Method	GENSCAN
Start	11251	End	12312
GI	none	Score	.48
Exons	11251..11359, 12254..12312		

Seq. No.	12735	Seq. ID	OJ990630_04.9C01.C1
Gene No.	26911	Strand	+
Start	2811	End	7276
Name	OJ990630_04.9C01.C1.o2.gs	Method	GENSCAN
Start	2811	End	7147
GI	none	Score	.72
Exons	2811..3122, 3242..3341, 4398..4612, 4773..4856, 6041..6094, 6950..7147		

Seq. No.	12735	Seq. ID	OJ990630_04.9C01.C1
Gene No.	26911	Strand	+
Start	2811	End	7276
Name	OJ990630_04.9C01.C1.o1.np	Method	AAT/NAP
Start	3024	End	7132
GI	4115936	Score	916
Exons	3024..3122, 3242..3341, 4398..4612, 4773..4856, 6041..6094, 6950..7132		
GI Descrip.	(AF118223) No definition line found [Arabidopsis thaliana]		

Seq. No.	12735	Seq. ID	OJ990630_04.9C01.C1
Gene No.	26911	Strand	+
Start	2811	End	7276
Name	OJ990630_04.9C01.C1.o1.gp	Method	AAT/GAP
Start	4797	End	7276
GI	uC-osflcyp112c08a1	Score	801

Exons	4797..4856, 6041..6094, 6950..7276		
GI Descrip.	'4115936/gb|AAD03446.1| 1.0e-32 (AF118223) No definition line found [Arabidopsis thaliana]'		

Seq. No.	12735	Seq. ID	OJ990630_04.9C01.C1
Gene No.	26912	Strand	-
Start	33	End	7334
Name	OJ990630_04.9C01.C1.o1.gs	Method	GENSCAN
Start	33	End	991
GI	none	Score	.86
Exons	33..731, 818..991		

Seq. No.	12735	Seq. ID	OJ990630_04.9C01.C1
Gene No.	26912	Strand	-
Start	33	End	7334
Name	OJ990630_04.9C01.C1.o1.tw	Method	TBLASTX:Wheat
Start	75	End	4833
GI	none	Score	169
Exons	75..146, 2975..3121, 3024..3125, 3233..3352, 3239..3355, 4396..4632, 4398..4475, 4430..4633, 4539..4646, 4734..4832, 4742..4813, 4768..4833, 4774..4833		

Seq. No.	12735	Seq. ID	OJ990630_04.9C01.C1
Gene No.	26912	Strand	-
Start	33	End	7334
Name	OJ990630_04.9C01.C1.o1.tm	Method	TBLASTX:Maize
Start	2960	End	7334
GI	none	Score	203
Exons	2960..3121, 2961..3125, 3180..3344, 3233..3340, 3239..3355, 4396..4632, 4398..4475, 4399..4632, 4430..4633, 4542..4640, 4734..4859, 4768..4857, 6040..6090, 6041..6094, 6901..7071, 6930..7148, 6949..7050, 6950..7147, 6950..7162, 7072..7152, 7159..7254, 7164..7256, 7242..7334, 7264..7284		

Seq. No.	12735	Seq. ID	OJ990630_04.9C01.C1
Gene No.	26912	Strand	-
Start	33	End	7334
Name	OJ990630_04.9C01.C1.o1.tc	Method	TBLASTX:Cress
Start	3023	End	4859
GI	none	Score	165
Exons	3023..3121, 3024..3125, 3239..3355, 3239..3340, 4396..4632, 4398..4472, 4430..4615, 4545..4640, 4734..4859, 4773..4859		

Seq. No.	12735	Seq. ID	OJ990630_04.9C01.C1
Gene No.	26912	Strand	-
Start	33	End	7334
Name	OJ990630_04.9C01.C1.o1.ts	Method	TBLASTX:Soybean
Start	3023	End	7087
GI	none	Score	160
Exons	3023..3121, 3024..3125, 3233..3352, 3242..3355, 4396..4632, 4401..4466, 4430..4615, 4545..4646, 4700..4726, 4733..4813, 4734..4859, 4773..4847, 6041..6094, 6946..7050, 6949..7071, 6950..7087		

Seq. No.	12736	Seq. ID	OJ990630_04.9C01.C2
Gene No.	26913	Strand	+
Start	332	End	2219

Name	OJ990630_04.9C01.C2.o1.gs	Method	GENSCAN
Start	332	End	2219
GI	none	Score	.56
Exons	332..420, 524..679, 2081..2219		

Seq. No.	12736	Seq. ID	OJ990630_04.9C01.C2
Gene No.	26914	Strand	+
Start	2492	End	2774
Name	OJ990630_04.9C01.C2.o2.gs	Method	GENSCAN
Start	2492	End	2774
GI	none	Score	.81
Exons	2492..2591, 2659..2774		

Seq. No.	12736	Seq. ID	OJ990630_04.9C01.C2
Gene No.	26915	Strand	+
Start	9083	End	10164
Name	OJ990630_04.9C01.C2.o4.gs	Method	GENSCAN
Start	9083	End	10164
GI	none	Score	.59
Exons	9083..9221, 9383..9507, 9976..10164		

Seq. No.	12736	Seq. ID	OJ990630_04.9C01.C2
Gene No.	26916	Strand	+
Start	11094	End	11710
Name	OJ990630_04.9C01.C2.o2.np	Method	AAT/NAP
Start	11094	End	11710
GI	5922623	Score	274
Exons	11094..11174, 11555..11710		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	12736	Seq. ID	OJ990630_04.9C01.C2
Gene No.	26917	Strand	-
Start	5583	End	7118
Name	OJ990630_04.9C01.C2.o1.np	Method	AAT/NAP
Start	5583	End	7118
GI	4539658	Score	36
Exons	5583..5764, 7039..7118		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	12737	Seq. ID	OJ990630_04.9C01.C3
Gene No.	26918	Strand	+
Start	1	End	215
Name	OJ990630_04.9C01.C3.o1.np	Method	AAT/NAP
Start	1	End	215
GI	5922623	Score	72
Exons	1..215		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	12737	Seq. ID	OJ990630_04.9C01.C3
Gene No.	26919	Strand	+
Start	1058	End	2480
Name	OJ990630_04.9C01.C3.o2.gs	Method	GENSCAN

Start	1058	End	2320
GI	none	Score	.65
Exons	1058..1794, 2153..2320		

Seq. No.	12737	Seq. ID	OJ990630_04.9C01.C3
Gene No.	26919	Strand	+
Start	1058	End	2480
Name	OJ990630_04.9C01.C3.o2.np	Method	AAT/NAP
Start	1058	End	2480
GI	6907089	Score	2026
Exons	1058..2320, 2414..2480		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	12738	Seq. ID	OJ990630_04.9C01.C4
Gene No.	26920	Strand	+
Start	105	End	1343
Name	OJ990630_04.9C01.C4.o1.gs	Method	GENSCAN
Start	105	End	1343
GI	none	Score	1
Exons	105..1343		

Seq. No.	12738	Seq. ID	OJ990630_04.9C01.C4
Gene No.	26921	Strand	+
Start	8205	End	10670
Name	OJ990630_04.9C01.C4.o3.np	Method	AAT/NAP
Start	8205	End	10670
GI	5922623	Score	321
Exons	8205..8285, 8666..8812, 8980..9103, 10633..10670		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	12738	Seq. ID	OJ990630_04.9C01.C4
Gene No.	26922	Strand	-
Start	1351	End	1815
Name	OJ990630_04.9C01.C4.o1.gp	Method	AAT/GAP
Start	1351	End	1815
GI	2428323	Score	629
Exons	1351..1815		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	12738	Seq. ID	OJ990630_04.9C01.C4
Gene No.	26923	Strand	-
Start	1977	End	9961
Name	OJ990630_04.9C01.C4.o2.gs	Method	GENSCAN
Start	1977	End	5642
GI	none	Score	.99
Exons	1977..5642		

Seq. No.	12738	Seq. ID	OJ990630_04.9C01.C4
Gene No.	26923	Strand	-
Start	1977	End	9961
Name	OJ990630_04.9C01.C4.o1.np	Method	AAT/NAP
Start	1980	End	7625
GI	6498441	Score	6799
Exons	1980..2261, 2355..3752, 3924..4298, 4491..4839, 5014..5148,		

	5332..5705, 5769..6232, 6562..7625
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	12738	Seq. ID	OJ990630_04.9C01.C4
Gene No.	26923	Strand	-
Start	1977	End	9961
Name	OJ990630_04.9C01.C4.o5.tm	Method	TBLASTX:Maize
Start	1980	End	2120
GI	none	Score	122
Exons	1980..2120, 1981..2115		

Seq. No.	12738	Seq. ID	OJ990630_04.9C01.C4
Gene No.	26923	Strand	-
Start	1977	End	9961
Name	OJ990630_04.9C01.C4.o7.tw	Method	TBLASTX:Wheat
Start	1989	End	2591
GI	none	Score	83
Exons	1989..2114, 1993..2115, 2307..2591, 2308..2586		

Seq. No.	12738	Seq. ID	OJ990630_04.9C01.C4
Gene No.	26923	Strand	-
Start	1977	End	9961
Name	OJ990630_04.9C01.C4.o4.tw	Method	TBLASTX:Wheat
Start	2592	End	2973
GI	none	Score	162
Exons	2592..2972, 2623..2871, 2917..2973		

Seq. No.	12738	Seq. ID	OJ990630_04.9C01.C4
Gene No.	26923	Strand	-
Start	1977	End	9961
Name	OJ990630_04.9C01.C4.o2.tm	Method	TBLASTX:Maize
Start	2787	End	3110
GI	none	Score	190
Exons	2787..3110, 2800..3093		

Seq. No.	12738	Seq. ID	OJ990630_04.9C01.C4
Gene No.	26923	Strand	-
Start	1977	End	9961
Name	OJ990630_04.9C01.C4.o8.tw	Method	TBLASTX:Wheat
Start	3303	End	3615
GI	none	Score	66
Exons	3303..3563, 3439..3615		

Seq. No.	12738	Seq. ID	OJ990630_04.9C01.C4
Gene No.	26923	Strand	-
Start	1977	End	9961
Name	OJ990630_04.9C01.C4.o2.ts	Method	TBLASTX:Soybean
Start	3363	End	3929
GI	5666795	Score	68
Exons	3363..3563, 3618..3755, 3831..3929		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	12738	Seq. ID	OJ990630_04.9C01.C4
Gene No.	26923	Strand	-
Start	1977	End	9961

Name	OJ990630_04.9C01.C4.o5.tw	Method	TBLASTX:Wheat
Start	3618	End	4076
GI	none	Score	87
Exons	3618..3767, 3619..3756, 3814..3987, 3828..4076, 3828..4052		

Seq. No.	12738	Seq. ID	OJ990630_04.9C01.C4
Gene No.	26923	Strand	-
Start	1977	End	9961
Name	OJ990630_04.9C01.C4.o2.np	Method	AAT/NAP
Start	4600	End	8783
GI	5042454	Score	2429
Exons	4600..4653, 6704..8146, 8202..8312, 8649..8783		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	12738	Seq. ID	OJ990630_04.9C01.C4
Gene No.	26923	Strand	-
Start	1977	End	9961
Name	OJ990630_04.9C01.C4.o1.ts	Method	TBLASTX:Soybean
Start	4677	End	5048
GI	none	Score	90
Exons	4677..5048, 4888..5031		

Seq. No.	12738	Seq. ID	OJ990630_04.9C01.C4
Gene No.	26923	Strand	-
Start	1977	End	9961
Name	OJ990630_04.9C01.C4.o2.tw	Method	TBLASTX:Wheat
Start	4702	End	5126
GI	none	Score	283
Exons	4702..5028, 4707..5126, 4937..5125		

Seq. No.	12738	Seq. ID	OJ990630_04.9C01.C4
Gene No.	26923	Strand	-
Start	1977	End	9961
Name	OJ990630_04.9C01.C4.o3.tm	Method	TBLASTX:Maize
Start	4800	End	5184
GI	none	Score	166
Exons	4800..5183, 4819..5040, 5098..5184		

Seq. No.	12738	Seq. ID	OJ990630_04.9C01.C4
Gene No.	26923	Strand	-
Start	1977	End	9961
Name	OJ990630_04.9C01.C4.o1.tm	Method	TBLASTX:Maize
Start	5211	End	5567
GI	none	Score	117
Exons	5211..5516, 5211..5567, 5221..5532		

Seq. No.	12738	Seq. ID	OJ990630_04.9C01.C4
Gene No.	26923	Strand	-
Start	1977	End	9961
Name	OJ990630_04.9C01.C4.o1.tw	Method	TBLASTX:Wheat
Start	5235	End	5698
GI	none	Score	228
Exons	5235..5696, 5235..5696, 5236..5697, 5237..5698		

Seq. No.	12738	Seq. ID	OJ990630_04.9C01.C4
Gene No.	26923	Strand	-
Start	1977	End	9961

Name	OJ990630_04.9C01.C4.o3.ts	Method	TBLASTX:Soybean
Start	5292	End	5657
GI	none	Score	117
Exons	5292..5426, 5433..5657		

Seq. No.	12738	Seq. ID	OJ990630_04.9C01.C4
Gene No.	26923	Strand	-
Start	1977	End	9961
Name	OJ990630_04.9C01.C4.o3.gs	Method	GENSCAN
Start	5706	End	9961
GI	none	Score	.4
Exons	5706..6434, 6449..6660, 6745..8166, 8960..9048, 9196..9306, 9736..9788, 9863..9961		

Seq. No.	12738	Seq. ID	OJ990630_04.9C01.C4
Gene No.	26923	Strand	-
Start	1977	End	9961
Name	OJ990630_04.9C01.C4.o3.tw	Method	TBLASTX:Wheat
Start	5862	End	6348
GI	none	Score	172
Exons	5862..6347, 5866..6153, 6175..6348		

Seq. No.	12738	Seq. ID	OJ990630_04.9C01.C4
Gene No.	26923	Strand	-
Start	1977	End	9961
Name	OJ990630_04.9C01.C4.o6.tw	Method	TBLASTX:Wheat
Start	7085	End	7477
GI	none	Score	85
Exons	7085..7342, 7119..7358, 7325..7423, 7326..7406, 7430..7477		

Seq. No.	12738	Seq. ID	OJ990630_04.9C01.C4
Gene No.	26923	Strand	-
Start	1977	End	9961
Name	OJ990630_04.9C01.C4.o4.tm	Method	TBLASTX:Maize
Start	7187	End	7472
GI	none	Score	96
Exons	7187..7435, 7188..7472		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26924	Strand	+
Start	3606	End	6067
Name	OJ990630_04.9C01.C5.o1.gp	Method	AAT/GAP
Start	3176	End	3464
GI	426253	Score	514
Exons	3176..3464		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26924	Strand	+
Start	3606	End	6067
Name	OJ990630_04.9C01.C5.o2.gs	Method	GENSCAN
Start	3606	End	6067
GI	none	Score	.52
Exons	3606..3697, 5304..5440, 5949..6067		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26925	Strand	+
Start	13910	End	16617

Name	OJ990630_04.9C01.C5.o4.gs	Method	GENSCAN
Start	13910	End	16617
GI	none	Score	.48
Exons	13910..14080, 14200..14297, 14403..14448, 14551..14700, 14889..14924, 14980..16063, 16268..16617		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26925	Strand	+
Start	13910	End	16617
Name	OJ990630_04.9C01.C5.o4.np	Method	AAT/NAP
Start	13937	End	16614
GI	6751699	Score	2674
Exons	13937..14080, 14200..14297, 14403..14448, 14551..14700, 14980..16614		
GI Descrip.	(AC018908) putative cleavage and polyadenylation specificity factor [Arabidopsis thaliana]		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26925	Strand	+
Start	13910	End	16617
Name	OJ990630_04.9C01.C5.o2.gp	Method	AAT/GAP
Start	14964	End	15358
GI	uC-osflcyp011a06b1	Score	749
Exons	14964..15358		
GI Descrip.	'1707412/emb|CAA65151| 6.0e-49 (X95906) Cleavage and Polyadenylation Specifity Factor protein [Bos taurus]'		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26926	Strand	+
Start	21495	End	24095
Name	OJ990630_04.9C01.C5.o6.np	Method	AAT/NAP
Start	21495	End	24095
GI	4454015	Score	907
Exons	21495..21595, 22716..24095		
GI Descrip.	(AL035396) putative protein [Arabidopsis thaliana]		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26927	Strand	+
Start	26257	End	27963
Name	OJ990630_04.9C01.C5.o6.gp	Method	AAT/GAP
Start	26216	End	27913
GI	none	Score	810
Exons	26216..26481, 27712..27913		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26927	Strand	+
Start	26257	End	27963
Name	OJ990630_04.9C01.C5.o7.gs	Method	GENSCAN
Start	26257	End	27963
GI	none	Score	.91
Exons	26257..26481, 27712..27963		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26928	Strand	+
Start	28825	End	31076
Name	OJ990630_04.9C01.C5.o8.gs	Method	GENSCAN
Start	28825	End	31076

GI	none	Score	.74
Exons	28825..29447, 29476..29645, 30937..31076		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26928	Strand	+
Start	28825	End	31076
Name	OJ990630_04.9C01.C5.o7.gp	Method	AAT/GAP
Start	29222	End	29718
GI	702826	Score	831
Exons	29222..29718		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26929	Strand	-
Start	349	End	2675
Name	OJ990630_04.9C01.C5.o1.gs	Method	GENSCAN
Start	349	End	2675
GI	none	Score	.89
Exons	349..738, 1972..2075, 2183..2675		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26929	Strand	-
Start	349	End	2675
Name	OJ990630_04.9C01.C5.o1.np	Method	AAT/NAP
Start	1778	End	2480
GI	6598449	Score	231
Exons	1778..2075, 2208..2480		
GI Descrip.	(AC005170) similar to senescence-associated protein [Arabidopsis thaliana]		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26930	Strand	-
Start	7655	End	9370
Name	OJ990630_04.9C01.C5.o3.np	Method	AAT/NAP
Start	6962	End	8950
GI	6598449	Score	185
Exons	6962..7034, 7713..7881, 7918..8014, 8705..8950		
GI Descrip.	(AC005170) similar to senescence-associated protein [Arabidopsis thaliana]		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26930	Strand	-
Start	7655	End	9370
Name	OJ990630_04.9C01.C5.o3.gs	Method	GENSCAN
Start	7655	End	9370
GI	none	Score	.49
Exons	7655..7881, 7883..7987, 8624..8678, 8732..9370		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26931	Strand	-
Start	15615	End	16855
Name	OJ990630_04.9C01.C5.o3.gp	Method	AAT/GAP
Start	15615	End	16855
GI	5357_1.R1084	Score	2410
Exons	15615..16855		
GI Descrip.	'6002955/gb|AAF00224.1|AF171877_1 3.0e-57 (AF171877) cleavage and polyadenylation specificity factor 73 kDa subunit [Homo sapiens]'		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26932	Strand	-
Start	17190	End	18904
Name	OJ990630_04.9C01.C5.o5.gs	Method	GENSCAN
Start	17190	End	18773
GI	none	Score	1
Exons	17190..18773		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26932	Strand	-
Start	17190	End	18904
Name	OJ990630_04.9C01.C5.o5.np	Method	AAT/NAP
Start	17205	End	18789
GI	6017099	Score	1547
Exons	17205..18789		
GI Descrip.	(AC009895) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26932	Strand	-
Start	17190	End	18904
Name	OJ990630_04.9C01.C5.o4.gp	Method	AAT/GAP
Start	18398	End	18904
GI	47179_1.R1084	Score	861
Exons	18398..18904		
GI Descrip.	'3426039 6.0e-27 (AC005168) unknown protein [Arabidopsis thaliana]'		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26933	Strand	-
Start	24534	End	25941
Name	OJ990630_04.9C01.C5.o7.np	Method	AAT/NAP
Start	24534	End	24890
GI	6136502	Score	276
Exons	24534..24890		
GI Descrip.	YCF20-LIKE PROTEIN gi|3335348 (AC004512) T8F5.20 [Arabidopsis thaliana]		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26933	Strand	-
Start	24534	End	25941
Name	OJ990630_04.9C01.C5.o5.gp	Method	AAT/GAP
Start	24670	End	25941
GI	2275846	Score	846
Exons	24670..24924, 25515..25708, 25902..25941		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26934	Strand	-
Start	31440	End	31996
Name	OJ990630_04.9C01.C5.o11.tm	Method	TBLASTX:Maize
Start	1827	End	8798
GI	none	Score	136
Exons	1827..1991, 1855..1983, 1882..2022, 2028..2075, 2038..2082, 2039..2077, 2298..2360, 7706..7864, 7751..7834, 7755..7835, 7767..7868, 7780..7848, 7926..7988, 7928..7990, 7928..7993, 7935..8000, 8702..8794, 8703..8798		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26934	Strand	-
Start	31440	End	31996
Name	OJ990630_04.9C01.C5.o6.tc	Method	TBLASTX:Cress
Start	1842	End	7990
GI	none	Score	80
Exons	1842..2075, 1888..1983, 1927..2076, 2032..2079, 7697..7864, 7928..7990, 7929..7988		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26934	Strand	-
Start	31440	End	31996
Name	OJ990630_04.9C01.C5.o8.ts	Method	TBLASTX:Soybean
Start	1842	End	7993
GI	none	Score	84
Exons	1842..2075, 1855..2082, 1888..1989, 2035..2076, 2265..2363, 2484..2585, 2631..2711, 7697..7858, 7795..7848, 7925..7993, 7926..7988		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26934	Strand	-
Start	31440	End	31996
Name	OJ990630_04.9C01.C5.o4.tm	Method	TBLASTX:Maize
Start	13963	End	14688
GI	none	Score	171
Exons	13963..14079, 13964..14080, 14199..14300, 14200..14301, 14200..14250, 14202..14297, 14376..14471, 14389..14490, 14395..14472, 14530..14688, 14537..14683, 14557..14688		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26934	Strand	-
Start	31440	End	31996
Name	OJ990630_04.9C01.C5.o3.tc	Method	TBLASTX:Cress
Start	13964	End	15282
GI	none	Score	147
Exons	13964..14080, 13984..14079, 14199..14294, 14200..14301, 14389..14490, 14530..14703, 14548..14739, 14549..14728, 14950..15282, 14974..15282		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26934	Strand	-
Start	31440	End	31996
Name	OJ990630_04.9C01.C5.o6.ts	Method	TBLASTX:Soybean
Start	13964	End	14418
GI	none	Score	121
Exons	13964..14080, 14199..14294, 14200..14301, 14389..14418		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26934	Strand	-
Start	31440	End	31996
Name	OJ990630_04.9C01.C5.o3.ts	Method	TBLASTX:Soybean
Start	15012	End	15223
GI	none	Score	358
Exons	15012..15086, 15013..15219, 15019..15219, 15023..15223		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26934	Strand	-

Start	31440	End	31996
Name	OJ990630_04.9C01.C5.o9.tm	Method	TBLASTX:Maize
Start	15031	End	15343
GI	none	Score	152
Exons	15031..15237, 15235..15342, 15249..15308, 15287..15343		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26934	Strand	-
Start	31440	End	31996
Name	OJ990630_04.9C01.C5.o1.ts	Method	TBLASTX:Soybean
Start	15346	End	16611
GI	none	Score	157
Exons	15346..15456, 15351..15455, 15450..16151, 15451..16155, 15451..16152, 15536..16168, 16175..16264, 16198..16347, 16270..16605, 16272..16604, 16369..16611		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26934	Strand	-
Start	31440	End	31996
Name	OJ990630_04.9C01.C5.o3.tm	Method	TBLASTX:Maize
Start	15378	End	15686
GI	none	Score	343
Exons	15378..15650, 15378..15659, 15379..15672, 15379..15660, 15651..15686, 15651..15680		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26934	Strand	-
Start	31440	End	31996
Name	OJ990630_04.9C01.C5.o2.tc	Method	TBLASTX:Cress
Start	15718	End	16192
GI	none	Score	168
Exons	15718..16155, 15720..16187, 15721..16188, 15726..16187, 15908..16192		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26934	Strand	-
Start	31440	End	31996
Name	OJ990630_04.9C01.C5.o1.tm	Method	TBLASTX:Maize
Start	15796	End	16410
GI	none	Score	415
Exons	15796..16080, 15802..16068, 15816..16079, 16072..16152, 16074..16154, 16074..16154, 16081..16155, 16141..16266, 16157..16267, 16167..16265, 16168..16266, 16269..16409, 16269..16409, 16270..16410, 16321..16410		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26934	Strand	-
Start	31440	End	31996
Name	OJ990630_04.9C01.C5.o7.tm	Method	TBLASTX:Maize
Start	16410	End	16716
GI	none	Score	304
Exons	16410..16622, 16411..16617, 16411..16659, 16666..16716		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26934	Strand	-
Start	31440	End	31996
Name	OJ990630_04.9C01.C5.o8.tc	Method	TBLASTX:Cress

Start	16435	End	16617
GI	none	Score	189
Exons	16435..16617, 16437..16601		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26934	Strand	-
Start	31440	End	31996
Name	OJ990630_04.9C01.C5.o2.tm	Method	TBLASTX:Maize
Start	17442	End	18269
GI	none	Score	185
Exons	17442..17474, 17535..17585, 17598..17639, 17637..17912, 17653..17847, 17842..18267, 17844..18269		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26934	Strand	-
Start	31440	End	31996
Name	OJ990630_04.9C01.C5.o1.tc	Method	TBLASTX:Cress
Start	17544	End	18428
GI	none	Score	48
Exons	17544..17585, 17545..17592, 17598..17636, 17637..17840, 17653..17841, 17844..18428, 17845..18426		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26934	Strand	-
Start	31440	End	31996
Name	OJ990630_04.9C01.C5.o2.ts	Method	TBLASTX:Soybean
Start	17589	End	18026
GI	none	Score	153
Exons	17589..17639, 17637..17846, 17656..17847, 17847..18026, 17848..18006		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26934	Strand	-
Start	31440	End	31996
Name	OJ990630_04.9C01.C5.o5.ts	Method	TBLASTX:Soybean
Start	18078	End	18336
GI	none	Score	207
Exons	18078..18317, 18100..18336		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26934	Strand	-
Start	31440	End	31996
Name	OJ990630_04.9C01.C5.o5.tm	Method	TBLASTX:Maize
Start	18315	End	18746
GI	none	Score	106
Exons	18315..18419, 18316..18420, 18439..18462, 18505..18729, 18519..18746, 18681..18740		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26934	Strand	-
Start	31440	End	31996
Name	OJ990630_04.9C01.C5.o4.ts	Method	TBLASTX:Soybean
Start	18375	End	18752
GI	none	Score	63
Exons	18375..18461, 18376..18462, 18495..18752, 18496..18726, 18687..18746		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26934	Strand	-
Start	31440	End	31996
Name	OJ990630_04.9C01.C5.o5.tc	Method	TBLASTX:Cress
Start	18519	End	18752
GI	none	Score	143
Exons	18519..18752, 18523..18729		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26934	Strand	-
Start	31440	End	31996
Name	OJ990630_04.9C01.C5.o12.tm	Method	TBLASTX:Maize
Start	20953	End	21358
GI	none	Score	75
Exons	20953..21012, 21046..21129, 21173..21358, 21267..21356		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26934	Strand	-
Start	31440	End	31996
Name	OJ990630_04.9C01.C5.o6.tm	Method	TBLASTX:Maize
Start	22932	End	23870
GI	none	Score	137
Exons	22932..23366, 22977..23102, 22977..23174, 23040..23408, 23070..23396, 23072..23410, 23091..23414, 23165..23326, 23292..23345, 23436..23621, 23448..23621, 23448..23615, 23639..23836, 23640..23870		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26934	Strand	-
Start	31440	End	31996
Name	OJ990630_04.9C01.C5.o7.tc	Method	TBLASTX:Cress
Start	22974	End	23576
GI	none	Score	94
Exons	22974..23153, 22989..23411, 23277..23411, 23454..23576		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26934	Strand	-
Start	31440	End	31996
Name	OJ990630_04.9C01.C5.o9.ts	Method	TBLASTX:Soybean
Start	22977	End	23618
GI	none	Score	100
Exons	22977..23120, 23007..23411, 23178..23390, 23445..23615, 23448..23618		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26934	Strand	-
Start	31440	End	31996
Name	OJ990630_04.9C01.C5.o1.tw	Method	TBLASTX:Wheat
Start	22989	End	23768
GI	none	Score	216
Exons	22989..23303, 23195..23296, 23220..23414, 23442..23609, 23640..23768		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26934	Strand	-
Start	31440	End	31996
Name	OJ990630_04.9C01.C5.o4.tc	Method	TBLASTX:Cress

Start	23582	End	23951
GI	none	Score	281
Exons	23582..23923, 23583..23951, 23679..23939		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26934	Strand	-
Start	31440	End	31996
Name	OJ990630_04.9C01.C5.o7.ts	Method	TBLASTX:Soybean
Start	23640	End	24026
GI	none	Score	182
Exons	23640..23870, 23654..23851, 23727..23870, 23928..24026		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26934	Strand	-
Start	31440	End	31996
Name	OJ990630_04.9C01.C5.o10.ts	Method	TBLASTX:Soybean
Start	24504	End	24741
GI	none	Score	41
Exons	24504..24623, 24513..24593, 24642..24740, 24643..24741		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26934	Strand	-
Start	31440	End	31996
Name	OJ990630_04.9C01.C5.o10.tm	Method	TBLASTX:Maize
Start	24543	End	24777
GI	none	Score	42
Exons	24543..24629, 24543..24623, 24630..24764, 24643..24777		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26934	Strand	-
Start	31440	End	31996
Name	OJ990630_04.9C01.C5.o8.tm	Method	TBLASTX:Maize
Start	26308	End	27840
GI	none	Score	279
Exons	26308..26376, 26311..26481, 26313..26483, 26437..26505, 27709..27840, 27709..27831, 27711..27839		

Seq. No.	12739	Seq. ID	OJ990630_04.9C01.C5
Gene No.	26934	Strand	-
Start	31440	End	31996
Name	OJ990630_04.9C01.C5.o8.gp	Method	AAT/GAP
Start	31440	End	31996
GI	1632436	Score	806
Exons	31440..31851, 31960..31996		

Seq. No.	12740	Seq. ID	OJ990630_04.9C01.C6
Gene No.	26935	Strand	-
Start	988	End	1072
Name	OJ990630_04.9C01.C6.o1.gs	Method	GENSCAN
Start	988	End	1072
GI	none	Score	.88
Exons	988..1072		

Seq. No.	12741	Seq. ID	OJ990630_04.9C01.C8
Gene No.	26936	Strand	+
Start	1	End	557
Name	OJ990630_04.9C01.C8.o1.np	Method	AAT/NAP

Start	1	End	557
GI	2809252	Score	510
Exons	1..557		
GI Descrip.	(AC002560) F21B7.21 [Arabidopsis thaliana]		

Seq. No.	12741	Seq. ID	OJ990630_04.9C01.C8
Gene No.	26936	Strand	+
Start	1	End	557
Name	OJ990630_04.9C01.C8.o1.tm	Method	TBLASTX:Maize
Start	10	End	532
GI	none	Score	108
Exons	10..372, 14..187, 14..157, 14..532		

Seq. No.	12741	Seq. ID	OJ990630_04.9C01.C8
Gene No.	26936	Strand	+
Start	1	End	557
Name	OJ990630_04.9C01.C8.o1.tc	Method	TBLASTX:Cress
Start	41	End	433
GI	none	Score	269
Exons	41..433, 76..405		

Seq. No.	12741	Seq. ID	OJ990630_04.9C01.C8
Gene No.	26936	Strand	+
Start	1	End	557
Name	OJ990630_04.9C01.C8.o1.gs	Method	GENSCAN
Start	151	End	433
GI	none	Score	.77
Exons	151..433		

Seq. No.	12741	Seq. ID	OJ990630_04.9C01.C8
Gene No.	26936	Strand	+
Start	1	End	557
Name	OJ990630_04.9C01.C8.o1.ts	Method	TBLASTX:Soybean
Start	179	End	535
GI	none	Score	275
Exons	179..535		

Seq. No.	12742	Seq. ID	OJ990630_04.9C01.C10
Gene No.	26937	Strand	+
Start	198	End	618
Name	OJ990630_04.9C01.C10.o1.np	Method	AAT/NAP
Start	198	End	618
GI	2809252	Score	177
Exons	198..618		
GI Descrip.	(AC002560) F21B7.21 [Arabidopsis thaliana]		

Seq. No.	12743	Seq. ID	OJ990630_04.9C01.C11
Gene No.	26938	Strand	+
Start	1938	End	8631
Name	OJ990630_04.9C01.C11.o1.gs	Method	GENSCAN
Start	1938	End	5597
GI	none	Score	.52
Exons	1938..2038, 3477..3615, 3731..3856, 4087..4200, 5496..5597		

Seq. No.	12743	Seq. ID	OJ990630_04.9C01.C11
Gene No.	26938	Strand	+
Start	1938	End	8631

Name	OJ990630_04.9C01.C11.o1.ts	Method	TBLASTX:Soybean
Start	3397	End	3533
GI	none	Score	190
Exons	3397..3522, 3417..3533		

Seq. No.	12743	Seq. ID	OJ990630_04.9C01.C11
Gene No.	26938	Strand	+
Start	1938	End	8631
Name	OJ990630_04.9C01.C11.o1.tm	Method	TBLASTX:Maize
Start	3400	End	3793
GI	none	Score	268
Exons	3400..3594, 3401..3541, 3402..3587, 3497..3601, 3720..3770, 3764..3793		

Seq. No.	12743	Seq. ID	OJ990630_04.9C01.C11
Gene No.	26938	Strand	+
Start	1938	End	8631
Name	OJ990630_04.9C01.C11.o1.gp	Method	AAT/GAP
Start	3484	End	4000
GI	none	Score	752
Exons	3484..3615, 3731..4000		

Seq. No.	12743	Seq. ID	OJ990630_04.9C01.C11
Gene No.	26938	Strand	+
Start	1938	End	8631
Name	OJ990630_04.9C01.C11.o1.np	Method	AAT/NAP
Start	5202	End	8631
GI	4432864	Score	584
Exons	5202..5223, 6616..6780, 6875..7008, 7392..7537, 7707..7786, 8071..8336, 8596..8631		
GI Descrip.	(AC006300) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12743	Seq. ID	OJ990630_04.9C01.C11
Gene No.	26938	Strand	+
Start	1938	End	8631
Name	OJ990630_04.9C01.C11.o2.gp	Method	AAT/GAP
Start	6166	End	8186
GI	14557_1.R1084	Score	1432
Exons	6166..6367, 6644..6780, 6875..7008, 7392..7537, 7707..7786, 8071..8186		
GI Descrip.	'4432864/gb|AAD20712| 2.0e-68 (AC006300) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	12743	Seq. ID	OJ990630_04.9C01.C11
Gene No.	26938	Strand	+
Start	1938	End	8631
Name	OJ990630_04.9C01.C11.o2.gs	Method	GENSCAN
Start	6287	End	8328
GI	none	Score	.92
Exons	6287..6367, 6875..7008, 7392..7537, 7707..7786, 8071..8328		

Seq. No.	12743	Seq. ID	OJ990630_04.9C01.C11
Gene No.	26938	Strand	+
Start	1938	End	8631
Name	OJ990630_04.9C01.C11.o2.tm	Method	TBLASTX:Maize
Start	6670	End	8270
GI	none	Score	48

Exons	6670..6696, 6695..6730, 6697..6741, 6736..6780, 6749..6781, 6758..6781, 6878..7009, 6891..7013, 6891..6998, 7387..7542, 7392..7547, 7395..7517, 7706..7792, 7709..7786, 8056..8268, 8062..8178, 8069..8218, 8103..8270		

Seq. No.	12744	Seq. ID	OJ990630_04.9C01.C12
Gene No.	26939	Strand	+
Start	110	End	4054
Name	OJ990630_04.9C01.C12.o1.np	Method	AAT/NAP
Start	110	End	3838
GI	4432864	Score	783
Exons	110..233, 709..831, 1529..1650, 1722..1791, 2030..2122, 2489..2616, 2745..2886, 3758..3838		
GI Descrip.	(AC006300) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12744	Seq. ID	OJ990630_04.9C01.C12
Gene No.	26939	Strand	+
Start	110	End	4054
Name	OJ990630_04.9C01.C12.o1.gp	Method	AAT/GAP
Start	161	End	2097
GI	uC-osflcyp111a08b1	Score	793
Exons	161..233, 709..831, 1529..1650, 1722..1791, 2030..2097		
GI Descrip.	'4432864/gb|AAD20712| 9.0e-52 (AC006300) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	12744	Seq. ID	OJ990630_04.9C01.C12
Gene No.	26939	Strand	+
Start	110	End	4054
Name	OJ990630_04.9C01.C12.o1.gs	Method	GENSCAN
Start	709	End	3889
GI	none	Score	.83
Exons	709..831, 2030..2122, 2489..2616, 2745..2886, 3758..3889		

Seq. No.	12744	Seq. ID	OJ990630_04.9C01.C12
Gene No.	26939	Strand	+
Start	110	End	4054
Name	OJ990630_04.9C01.C12.o2.gp	Method	AAT/GAP
Start	2543	End	4054
GI	38316_1.R1084	Score	969
Exons	2543..2616, 2745..2886, 3758..4054		
GI Descrip.	'4432864/gb|AAD20712| 6.0e-25 (AC006300) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	12744	Seq. ID	OJ990630_04.9C01.C12
Gene No.	26940	Strand	-
Start	5012	End	7594
Name	OJ990630_04.9C01.C12.o3.gp	Method	AAT/GAP
Start	5012	End	7594
GI	979_1.R1084	Score	2257
Exons	5012..5355, 5586..5717, 6017..6130, 6956..7594		
GI Descrip.	'2292978/emb|CAA71303.1| 1.0e-158 (Y10253) pantoate--beta-alanine ligase [Oryza sativa]'		

Seq. No.	12744	Seq. ID	OJ990630_04.9C01.C12
Gene No.	26940	Strand	-
Start	5012	End	7594
Name	OJ990630_04.9C01.C12.o2.np	Method	AAT/NAP

Start	5236	End	7528
GI	2292978	Score	1385
Exons	5236..5355, 5586..5717, 6017..6126, 6953..7528		
GI Descrip.	(Y10253) pantoate--beta-alanine ligase [Oryza sativa]		

Seq. No.	12744	Seq. ID	OJ990630_04.9C01.C12
Gene No.	26941	Strand	-
Start	8699	End	9540
Name	OJ990630_04.9C01.C12.o3.tm	Method	TBLASTX:Maize
Start	2026	End	3891
GI	none	Score	91
Exons	2026..2085, 2026..2121, 2027..2122, 2486..2614, 2486..2608, 2488..2616, 2742..2885, 2742..2885, 2743..2895, 2743..2889, 3757..3891, 3758..3817		

Seq. No.	12744	Seq. ID	OJ990630_04.9C01.C12
Gene No.	26941	Strand	-
Start	8699	End	9540
Name	OJ990630_04.9C01.C12.o2.tw	Method	TBLASTX:Wheat
Start	2749	End	3835
GI	none	Score	178
Exons	2749..2895, 2749..2889, 3757..3834, 3758..3817, 3758..3835		

Seq. No.	12744	Seq. ID	OJ990630_04.9C01.C12
Gene No.	26941	Strand	-
Start	8699	End	9540
Name	OJ990630_04.9C01.C12.o1.ts	Method	TBLASTX:Soybean
Start	7046	End	7510
GI	none	Score	98
Exons	7046..7141, 7047..7151, 7215..7361, 7247..7348, 7340..7510, 7472..7507		

Seq. No.	12744	Seq. ID	OJ990630_04.9C01.C12
Gene No.	26941	Strand	-
Start	8699	End	9540
Name	OJ990630_04.9C01.C12.o1.tm	Method	TBLASTX:Maize
Start	7075	End	7534
GI	none	Score	105
Exons	7075..7137, 7076..7162, 7077..7160, 7202..7357, 7212..7358, 7343..7525, 7403..7534		

Seq. No.	12744	Seq. ID	OJ990630_04.9C01.C12
Gene No.	26941	Strand	-
Start	8699	End	9540
Name	OJ990630_04.9C01.C12.o4.gp	Method	AAT/GAP
Start	8699	End	9540
GI	2706_1.R1084	Score	1133
Exons	8699..9067, 9167..9306, 9383..9540		
GI Descrip.	'549986 2.0e-44 (U13149) possible apospory-associated protein [Pennisetum ciliare]'		

Seq. No.	12744	Seq. ID	OJ990630_04.9C01.C12
Gene No.	26941	Strand	-
Start	8699	End	9540
Name	OJ990630_04.9C01.C12.o1.tc	Method	TBLASTX:Cress
Start	8968	End	9514
GI	none	Score	65

Exons	8968..9066, 8975..9067, 9166..9315, 9166..9285, 9167..9307, 9187..9315, 9359..9514, 9384..9488		
Seq. No.	12744	Seq. ID	OJ990630_04.9C01.C12
Gene No.	26941	Strand	-
Start	8699	End	9540
Name	OJ990630_04.9C01.C12.o2.tm	Method	TBLASTX:Maize
Start	8968	End	9490
GI	none	Score	83
Exons	8968..9066, 8974..9060, 9158..9307, 9166..9315, 9166..9285, 9359..9490		
Seq. No.	12744	Seq. ID	OJ990630_04.9C01.C12
Gene No.	26941	Strand	-
Start	8699	End	9540
Name	OJ990630_04.9C01.C12.o2.ts	Method	TBLASTX:Soybean
Start	8968	End	9490
GI	none	Score	108
Exons	8968..9066, 9158..9307, 9166..9315, 9166..9285, 9187..9315, 9359..9490, 9381..9488		
Seq. No.	12744	Seq. ID	OJ990630_04.9C01.C12
Gene No.	26941	Strand	-
Start	8699	End	9540
Name	OJ990630_04.9C01.C12.o1.tw	Method	TBLASTX:Wheat
Start	8968	End	9315
GI	none	Score	101
Exons	8968..9060, 8968..9066, 9152..9307, 9166..9315, 9166..9228		
Seq. No.	12744	Seq. ID	OJ990630_04.9C01.C12
Gene No.	26941	Strand	-
Start	8699	End	9540
Name	OJ990630_04.9C01.C12.o3.np	Method	AAT/NAP
Start	8971	End	9525
GI	549986	Score	403
Exons	8971..9067, 9167..9306, 9383..9525		
GI Descrip.	(U13149) possible apospory-associated protein [Pennisetum ciliare]		
Seq. No.	12745	Seq. ID	OJ990630_04.9C01.C13
Gene No.	26942	Strand	-
Start	1	End	4337
Name	OJ990630_04.9C01.C13.o1.gp	Method	AAT/GAP
Start	1	End	1162
GI	7582_1.R1084	Score	1226
Exons	1..423, 757..896, 1012..1162		
GI Descrip.	'4205079 2.0e-46 (U70425) ankyrin repeat-containing protein 2 [Arabidopsis thaliana]'		
Seq. No.	12745	Seq. ID	OJ990630_04.9C01.C13
Gene No.	26942	Strand	-
Start	1	End	4337
Name	OJ990630_04.9C01.C13.o1.np	Method	AAT/NAP
Start	1	End	944
GI	6598335	Score	341
Exons	1..423, 757..944		
GI Descrip.	(AC002329) putative glucanase [Arabidopsis thaliana]		

Seq. No.	12745	Seq. ID	OJ990630_04.9C01.C13
Gene No.	26942	Strand	-
Start	1	End	4337
Name	OJ990630_04.9C01.C13.o1.tw	Method	TBLASTX:Wheat
Start	26	End	228
GI	none	Score	188
Exons	26..220, 52..228		

Seq. No.	12745	Seq. ID	OJ990630_04.9C01.C13
Gene No.	26942	Strand	-
Start	1	End	4337
Name	OJ990630_04.9C01.C13.o2.tc	Method	TBLASTX:Cress
Start	26	End	424
GI	none	Score	210
Exons	26..268, 52..279, 340..423, 353..424		

Seq. No.	12745	Seq. ID	OJ990630_04.9C01.C13
Gene No.	26942	Strand	-
Start	1	End	4337
Name	OJ990630_04.9C01.C13.o2.tm	Method	TBLASTX:Maize
Start	26	End	439
GI	none	Score	352
Exons	26..268, 52..282, 334..438, 335..439		

Seq. No.	12745	Seq. ID	OJ990630_04.9C01.C13
Gene No.	26942	Strand	-
Start	1	End	4337
Name	OJ990630_04.9C01.C13.o2.ts	Method	TBLASTX:Soybean
Start	29	End	433
GI	none	Score	230
Exons	29..268, 52..279, 337..432, 344..433		

Seq. No.	12745	Seq. ID	OJ990630_04.9C01.C13
Gene No.	26942	Strand	-
Start	1	End	4337
Name	OJ990630_04.9C01.C13.o2.gs	Method	GENSCAN
Start	701	End	4283
GI	none	Score	.41
Exons	701..705, 757..896, 1012..1176, 2671..2877, 3145..3506, 4167..4283		

Seq. No.	12745	Seq. ID	OJ990630_04.9C01.C13
Gene No.	26942	Strand	-
Start	1	End	4337
Name	OJ990630_04.9C01.C13.o1.tc	Method	TBLASTX:Cress
Start	2555	End	2808
GI	none	Score	84
Exons	2555..2803, 2558..2806, 2559..2807, 2560..2808		

Seq. No.	12745	Seq. ID	OJ990630_04.9C01.C13
Gene No.	26942	Strand	-
Start	1	End	4337
Name	OJ990630_04.9C01.C13.o1.ts	Method	TBLASTX:Soybean
Start	2568	End	2878
GI	none	Score	212
Exons	2568..2867, 2578..2868, 2732..2878		

Seq. No.	12745	Seq. ID	OJ990630_04.9C01.C13
Gene No.	26942	Strand	-
Start	1	End	4337
Name	OJ990630_04.9C01.C13.o2.gp	Method	AAT/GAP
Start	2696	End	3475
GI	none	Score	998
Exons	2696..2877, 3145..3475		

Seq. No.	12745	Seq. ID	OJ990630_04.9C01.C13
Gene No.	26942	Strand	-
Start	1	End	4337
Name	OJ990630_04.9C01.C13.o1.tm	Method	TBLASTX:Maize
Start	3154	End	4337
GI	none	Score	345
Exons	3154..3480, 3156..3509, 3156..3509, 3157..3510, 4180..4329, 4185..4328, 4190..4336, 4191..4337		

Seq. No.	12745	Seq. ID	OJ990630_04.9C01.C13
Gene No.	26942	Strand	-
Start	1	End	4337
Name	OJ990630_04.9C01.C13.o3.tc	Method	TBLASTX:Cress
Start	3231	End	4286
GI	none	Score	108
Exons	3231..3380, 3232..3390, 3351..3533, 3352..3501, 4164..4286, 4183..4281, 4200..4286		

Seq. No.	12746	Seq. ID	OJ990630_04.9C01.C14
Gene No.	26943	Strand	+
Start	3501	End	3851
Name	OJ990630_04.9C01.C14.o2.gp	Method	AAT/GAP
Start	3501	End	3851
GI	3762722	Score	650
Exons	3501..3851		

Seq. No.	12746	Seq. ID	OJ990630_04.9C01.C14
Gene No.	26944	Strand	+
Start	3796	End	9525
Name	OJ990630_04.9C01.C14.o1.np	Method	AAT/NAP
Start	3796	End	9525
GI	4678197	Score	1814
Exons	3796..3938, 5277..6560, 6588..7529, 7778..9525		
GI Descrip.	(AC007134) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	12746	Seq. ID	OJ990630_04.9C01.C14
Gene No.	26945	Strand	-
Start	1134	End	2059
Name	OJ990630_04.9C01.C14.o1.gs	Method	GENSCAN
Start	1134	End	2059
GI	none	Score	.91
Exons	1134..1287, 1387..1711, 1802..2059		

Seq. No.	12746	Seq. ID	OJ990630_04.9C01.C14
Gene No.	26945	Strand	-
Start	1134	End	2059
Name	OJ990630_04.9C01.C14.o1.gp	Method	AAT/GAP

Start	1261	End	1722
GI	none	Score	659
Exons	1261..1287, 1387..1722		

Seq. No.	12746	Seq. ID	OJ990630_04.9C01.C14
Gene No.	26946	Strand	
Start	5087	End	5393
Name	OJ990630_04.9C01.C14.o5.tm	Method	TBLASTX:Maize
Start	5087	End	5393
GI	none	Score	54
Exons	5087..5134, 5098..5130, 5139..5393, 5140..5385		

Seq. No.	12746	Seq. ID	OJ990630_04.9C01.C14
Gene No.	26947	Strand	
Start	6462	End	6918
Name	OJ990630_04.9C01.C14.o2.tm	Method	TBLASTX:Maize
Start	6462	End	6918
GI	none	Score	101
Exons	6462..6521, 6463..6552, 6567..6800, 6568..6801, 6602..6805, 6679..6804, 6829..6918, 6838..6918		

Seq. No.	12746	Seq. ID	OJ990630_04.9C01.C14
Gene No.	26948	Strand	
Start	6826	End	7482
Name	OJ990630_04.9C01.C14.o2.tw	Method	TBLASTX:Wheat
Start	6826	End	7435
GI	none	Score	68
Exons	6826..6918, 6962..7213, 6979..7182, 7229..7318, 7313..7435		

Seq. No.	12746	Seq. ID	OJ990630_04.9C01.C14
Gene No.	26948	Strand	
Start	6826	End	7482
Name	OJ990630_04.9C01.C14.o4.tm	Method	TBLASTX:Maize
Start	6956	End	7482
GI	none	Score	305
Exons	6956..7453, 6956..7102, 6970..7200, 7222..7482		

Seq. No.	12746	Seq. ID	OJ990630_04.9C01.C14
Gene No.	26948	Strand	
Start	6826	End	7482
Name	OJ990630_04.9C01.C14.o3.ts	Method	TBLASTX:Soybean
Start	6992	End	7453
GI	none	Score	286
Exons	6992..7453, 7066..7293		

Seq. No.	12746	Seq. ID	OJ990630_04.9C01.C14
Gene No.	26948	Strand	
Start	6826	End	7482
Name	OJ990630_04.9C01.C14.o2.tc	Method	TBLASTX:Cress
Start	7007	End	7456
GI	none	Score	287
Exons	7007..7456, 7033..7182		

Seq. No.	12746	Seq. ID	OJ990630_04.9C01.C14
Gene No.	26949	Strand	
Start	7994	End	8800
Name	OJ990630_04.9C01.C14.o2.ts	Method	TBLASTX:Soybean

Start	7994	End	8478
GI	5509260	Score	396
Exons	7994..8473, 8030..8251, 8128..8271, 8317..8478		
GI Descrip.	-		

Seq. No.	12746	Seq. ID	OJ990630_04.9C01.C14
Gene No.	26949	Strand	
Start	7994	End	8800
Name	OJ990630_04.9C01.C14.o1.tc	Method	TBLASTX:Cress
Start	8108	End	8377
GI	none	Score	298
Exons	8108..8377, 8122..8376		

Seq. No.	12746	Seq. ID	OJ990630_04.9C01.C14
Gene No.	26949	Strand	
Start	7994	End	8800
Name	OJ990630_04.9C01.C14.o1.tw	Method	TBLASTX:Wheat
Start	8158	End	8704
GI	none	Score	282
Exons	8158..8271, 8159..8503, 8495..8704		

Seq. No.	12746	Seq. ID	OJ990630_04.9C01.C14
Gene No.	26949	Strand	
Start	7994	End	8800
Name	OJ990630_04.9C01.C14.o3.tm	Method	TBLASTX:Maize
Start	8158	End	8590
GI	none	Score	339
Exons	8158..8250, 8159..8590, 8317..8532		

Seq. No.	12746	Seq. ID	OJ990630_04.9C01.C14
Gene No.	26949	Strand	
Start	7994	End	8800
Name	OJ990630_04.9C01.C14.o3.tc	Method	TBLASTX:Cress
Start	8522	End	8800
GI	none	Score	204
Exons	8522..8800, 8569..8796		

Seq. No.	12746	Seq. ID	OJ990630_04.9C01.C14
Gene No.	26950	Strand	
Start	8714	End	9537
Name	OJ990630_04.9C01.C14.o3.tw	Method	TBLASTX:Wheat
Start	8714	End	9099
GI	none	Score	90
Exons	8714..8800, 8853..8984, 8854..9099, 9055..9090		

Seq. No.	12746	Seq. ID	OJ990630_04.9C01.C14
Gene No.	26950	Strand	
Start	8714	End	9537
Name	OJ990630_04.9C01.C14.o1.tm	Method	TBLASTX:Maize
Start	8845	End	9468
GI	none	Score	326
Exons	8845..9201, 8943..9056, 9099..9200, 9282..9359, 9283..9468		

Seq. No.	12746	Seq. ID	OJ990630_04.9C01.C14
Gene No.	26950	Strand	
Start	8714	End	9537
Name	OJ990630_04.9C01.C14.o1.ts	Method	TBLASTX:Soybean

Start	8863	End	9537
GI	none	Score	409
Exons	8863..9207, 8863..9366, 8867..9232, 8967..9374, 9277..9537, 9451..9537		

Seq. No.	12747	Seq. ID	OJ990720_09.9C01.C4
Gene No.	26951	Strand	+
Start	11	End	85
Name	OJ990720_09.9C01.C4.o1.gs	Method	GENSCAN
Start	11	End	85
GI	none	Score	.96
Exons	11..85		

Seq. No.	12748	Seq. ID	OJ990720_09.9C01.C5
Gene No.	26952	Strand	+
Start	1	End	994
Name	OJ990720_09.9C01.C5.o1.np	Method	AAT/NAP
Start	1	End	994
GI	6942149	Score	85
Exons	1..30, 791..994		
GI Descrip.	(AF218808) ReMembR-H2 protein JR702 [Arabidopsis thaliana]		

Seq. No.	12748	Seq. ID	OJ990720_09.9C01.C5
Gene No.	26953	Strand	-
Start	25	End	931
Name	OJ990720_09.9C01.C5.o1.gs	Method	GENSCAN
Start	25	End	931
GI	none	Score	.46
Exons	25..86, 697..931		

Seq. No.	12749	Seq. ID	OJ990720_09.9C01.C9
Gene No.	26954	Strand	+
Start	690	End	757
Name	OJ990720_09.9C01.C9.o1.gs	Method	GENSCAN
Start	690	End	757
GI	none	Score	.6
Exons	690..757		

Seq. No.	12750	Seq. ID	OJ990720_09.9C01.C10
Gene No.	26955	Strand	+
Start	835	End	1978
Name	OJ990720_09.9C01.C10.o1.np	Method	AAT/NAP
Start	835	End	1978
GI	2739371	Score	266
Exons	835..1019, 1116..1165, 1683..1797, 1944..1978		
GI Descrip.	(AC002505) unknown protein [Arabidopsis thaliana]		

Seq. No.	12750	Seq. ID	OJ990720_09.9C01.C10
Gene No.	26955	Strand	+
Start	835	End	1978
Name	OJ990720_09.9C01.C10.o1.tm	Method	TBLASTX:Maize
Start	877	End	1164
GI	none	Score	166
Exons	877..1020, 878..1042, 1113..1163, 1114..1164		

Seq. No.	12750	Seq. ID	OJ990720_09.9C01.C10
Gene No.	26955	Strand	+

Start	835	End	1978
Name	OJ990720_09.9C01.C10.o1.gs	Method	GENSCAN
Start	882	End	1881
GI	none	Score	.95
Exons	882..1019, 1116..1165, 1683..1797, 1860..1881		

Seq. No.	12750	Seq. ID	OJ990720_09.9C01.C10
Gene No.	26955	Strand	+
Start	835	End	1978
Name	OJ990720_09.9C01.C10.o2.tm	Method	TBLASTX:Maize
Start	1676	End	1828
GI	none	Score	182
Exons	1676..1756, 1678..1785, 1682..1828		

Seq. No.	12751	Seq. ID	OJ990720_09.9C01.C11
Gene No.	26956	Strand	+
Start	206	End	3939
Name	OJ990720_09.9C01.C11.o1.gs	Method	GENSCAN
Start	206	End	3939
GI	none	Score	.88
Exons	206..250, 1507..1630, 2003..2358, 2540..2950, 3664..3939		

Seq. No.	12751	Seq. ID	OJ990720_09.9C01.C11
Gene No.	26956	Strand	+
Start	206	End	3939
Name	OJ990720_09.9C01.C11.o1.np	Method	AAT/NAP
Start	320	End	3936
GI	2739371	Score	1202
Exons	320..363, 459..548, 1357..1425, 1507..1630, 2003..2359, 2520..2950, 3664..3936		
GI Descrip.	(AC002505) unknown protein [Arabidopsis thaliana]		

Seq. No.	12751	Seq. ID	OJ990720_09.9C01.C11
Gene No.	26957	Strand	+
Start	4271	End	4355
Name	OJ990720_09.9C01.C11.o2.np	Method	AAT/NAP
Start	4271	End	4355
GI	5852084	Score	69
Exons	4271..4355		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	12751	Seq. ID	OJ990720_09.9C01.C11
Gene No.	26958	Strand	+
Start	4364	End	4592
Name	OJ990720_09.9C01.C11.o4.tm	Method	TBLASTX:Maize
Start	303	End	1598
GI	none	Score	95
Exons	303..374, 313..387, 313..363, 456..548, 456..548, 457..549, 458..550, 458..550, 1351..1425, 1351..1425, 1355..1426, 1356..1427, 1499..1597, 1499..1597, 1506..1598, 1506..1598		

Seq. No.	12751	Seq. ID	OJ990720_09.9C01.C11
Gene No.	26958	Strand	+
Start	4364	End	4592
Name	OJ990720_09.9C01.C11.o2.ts	Method	TBLASTX:Soybean
Start	1501	End	2755
GI	none	Score	114

Exons	1501..1659, 1505..1669, 1506..1631, 1506..1682, 1510..1659, 2029..2298, 2071..2298, 2302..2358, 2576..2635, 2645..2755, 2684..2755		
Seq. No.	12751	Seq. ID	OJ990720_09.9C01.C11
Gene No.	26958	Strand	+
Start	4364	End	4592
Name	OJ990720_09.9C01.C11.o3.tm	Method	TBLASTX:Maize
Start	1994	End	2299
GI	none	Score	52
Exons	1994..2056, 1995..2066, 1995..2066, 1996..2067, 2020..2244, 2055..2246, 2061..2246, 2113..2289, 2248..2298, 2248..2298, 2249..2299		
Seq. No.	12751	Seq. ID	OJ990720_09.9C01.C11
Gene No.	26958	Strand	+
Start	4364	End	4592
Name	OJ990720_09.9C01.C11.o1.tm	Method	TBLASTX:Maize
Start	2302	End	2954
GI	none	Score	76
Exons	2302..2355, 2302..2358, 2582..2950, 2582..2845, 2766..2954		
Seq. No.	12751	Seq. ID	OJ990720_09.9C01.C11
Gene No.	26958	Strand	+
Start	4364	End	4592
Name	OJ990720_09.9C01.C11.o1.ts	Method	TBLASTX:Soybean
Start	2762	End	3858
GI	none	Score	298
Exons	2762..2950, 2802..2954, 3645..3833, 3661..3858		
Seq. No.	12751	Seq. ID	OJ990720_09.9C01.C11
Gene No.	26958	Strand	+
Start	4364	End	4592
Name	OJ990720_09.9C01.C11.o2.tm	Method	TBLASTX:Maize
Start	3661	End	3858
GI	none	Score	337
Exons	3661..3858, 3662..3763, 3663..3830		
Seq. No.	12751	Seq. ID	OJ990720_09.9C01.C11
Gene No.	26958	Strand	+
Start	4364	End	4592
Name	OJ990720_09.9C01.C11.o3.np	Method	AAT/NAP
Start	4364	End	4592
GI	6069646	Score	106
Exons	4364..4592		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	12752	Seq. ID	OJ990720_09.9C01.C12
Gene No.	26959	Strand	+
Start	146	End	373
Name	OJ990720_09.9C01.C12.o1.tm	Method	TBLASTX:Maize
Start	112	End	370
GI	none	Score	133

Exons	112..213, 113..277, 256..369, 257..370		
Seq. No.	12752	Seq. ID	OJ990720_09.9C01.C12
Gene No.	26959	Strand	+
Start	146	End	373
Name	OJ990720_09.9C01.C12.o1.gs	Method	GENSCAN
Start	146	End	373
GI	none	Score	.48
Exons	146..373		
Seq. No.	12753	Seq. ID	OJ990720_09.9C01.C13
Gene No.	26960	Strand	-
Start	171	End	544
Name	OJ990720_09.9C01.C13.o1.gs	Method	GENSCAN
Start	171	End	539
GI	none	Score	.62
Exons	171..539		
Seq. No.	12753	Seq. ID	OJ990720_09.9C01.C13
Gene No.	26960	Strand	-
Start	171	End	544
Name	OJ990720_09.9C01.C13.o1.np	Method	AAT/NAP
Start	174	End	544
GI	4097571	Score	107
Exons	174..544		
GI Descrip.	(U64916) GMFP5 [Glycine max]		
Seq. No.	12754	Seq. ID	OJ990720_09.9C01.C17
Gene No.	26962	Strand	+
Start	1	End	203
Name	OJ990720_09.9C01.C17.o1.np	Method	AAT/NAP
Start	1	End	203
GI	6069646	Score	207
Exons	1..203		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	12754	Seq. ID	OJ990720_09.9C01.C17
Gene No.	26963	Strand	+
Start	1264	End	6690
Name	OJ990720_09.9C01.C17.o1.gp	Method	AAT/GAP
Start	1264	End	4826
GI	1648_2.R1084	Score	1789
Exons	1264..1618, 3526..3766, 3892..4012, 4151..4266, 4527..4826		
GI Descrip.	'451193 1.0e-52 (L28008) wali7 [Triticum aestivum] >gi_1090845_prf__2019486B wali7 gene [Triticum aestivum]'		
Seq. No.	12754	Seq. ID	OJ990720_09.9C01.C17
Gene No.	26963	Strand	+
Start	1264	End	6690
Name	OJ990720_09.9C01.C17.o1.gs	Method	GENSCAN
Start	1416	End	6690
GI	none	Score	.6
Exons	1416..1618, 3526..3766, 3892..4012, 4151..4266, 5543..5874,		

6389..6480, 6506..6690

Seq. No.	12754	Seq. ID	OJ990720_09.9C01.C17
Gene No.	26963	Strand	+
Start	1264	End	6690
Name	OJ990720_09.9C01.C17.o2.np	Method	AAT/NAP
Start	1419	End	4662
GI	451193	Score	931
Exons	1419..1618, 3526..3766, 3892..4012, 4151..4266, 4527..4662		
GI Descrip.	(L28008) wali7 [Triticum aestivum] gi|1090845|prf||2019486B wali7 gene [Triticum aestivum]		

Seq. No.	12754	Seq. ID	OJ990720_09.9C01.C17
Gene No.	26964	Strand	-
Start	3270	End	5209
Name	OJ990720_09.9C01.C17.o1.tc	Method	TBLASTX:Cress
Start	1410	End	4272
GI	none	Score	215
Exons	1410..1619, 1412..1567, 3509..3766, 3524..3766, 3709..3768, 3891..4013, 3892..4014, 4150..4176, 4177..4272, 4179..4268, 4192..4272		

Seq. No.	12754	Seq. ID	OJ990720_09.9C01.C17
Gene No.	26964	Strand	-
Start	3270	End	5209
Name	OJ990720_09.9C01.C17.o1.tm	Method	TBLASTX:Maize
Start	1411	End	4658
GI	none	Score	82
Exons	1411..1452, 1412..1567, 1413..1619, 1594..1623, 3523..3615, 3523..3615, 3524..3643, 3611..3766, 3614..3754, 3880..4014, 3891..4013, 4149..4175, 4150..4176, 4177..4269, 4179..4268, 4182..4295, 4527..4568, 4533..4658, 4618..4650		

Seq. No.	12754	Seq. ID	OJ990720_09.9C01.C17
Gene No.	26964	Strand	-
Start	3270	End	5209
Name	OJ990720_09.9C01.C17.o1.ts	Method	TBLASTX:Soybean
Start	1412	End	4272
GI	none	Score	167
Exons	1412..1567, 1413..1619, 3523..3648, 3524..3766, 3530..3766, 3709..3768, 3879..4013, 3892..4014, 4150..4176, 4176..4268, 4176..4268, 4177..4272		

Seq. No.	12754	Seq. ID	OJ990720_09.9C01.C17
Gene No.	26964	Strand	-
Start	3270	End	5209
Name	OJ990720_09.9C01.C17.o3.np	Method	AAT/NAP
Start	3270	End	5209
GI	6598399	Score	44
Exons	3270..3328, 5043..5209		
GI Descrip.	(AC003952) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	12755	Seq. ID	OJ990720_09.9C01.C18
Gene No.	26965	Strand	+
Start	882	End	1739
Name	OJ990720_09.9C01.C18.o1.np	Method	AAT/NAP

Start	882	End	1739
GI	6721507	Score	96
Exons	882..1145, 1391..1454, 1661..1739		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	12756	Seq. ID	OJ990720_09.9C01.C23
Gene No.	26966	Strand	-
Start	266	End	1570
Name	OJ990720_09.9C01.C23.o1.gs	Method	GENSCAN
Start	266	End	1570
GI	none	Score	.69
Exons	266..389, 741..910, 1409..1570		

Seq. No.	12757	Seq. ID	OJ990720_09.9C01.C24
Gene No.	26967	Strand	-
Start	1	End	13939
Name	OJ990720_09.9C01.C24.o1.gp	Method	AAT/GAP
Start	1	End	1262
GI	26615_1.R1084	Score	1312
Exons	1..397, 501..576, 803..897, 1027..1262		
GI Descrip.	'4097573 2.0e-10 (U64917) GMFP7 [Glycine max]'		

Seq. No.	12757	Seq. ID	OJ990720_09.9C01.C24
Gene No.	26967	Strand	-
Start	1	End	13939
Name	OJ990720_09.9C01.C24.o1.np	Method	AAT/NAP
Start	1	End	832
GI	6862917	Score	344
Exons	1..397, 501..576, 803..832		
GI Descrip.	(AC018907) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12757	Seq. ID	OJ990720_09.9C01.C24
Gene No.	26967	Strand	-
Start	1	End	13939
Name	OJ990720_09.9C01.C24.o2.np	Method	AAT/NAP
Start	1	End	13939
GI	3980411	Score	77
Exons	1..272, 2689..2847, 8292..8474, 10915..11073, 13404..13642, 13907..13939		
GI Descrip.	(AC004561) putative proline-rich protein [Arabidopsis thaliana]		

Seq. No.	12757	Seq. ID	OJ990720_09.9C01.C24
Gene No.	26967	Strand	-
Start	1	End	13939
Name	OJ990720_09.9C01.C24.o1.gs	Method	GENSCAN
Start	99	End	7292
GI	none	Score	.72
Exons	99..397, 501..576, 1087..1100, 1262..1374, 3152..3439, 3745..3793, 4229..4375, 7199..7292		

Seq. No.	12757	Seq. ID	OJ990720_09.9C01.C24
Gene No.	26967	Strand	-
Start	1	End	13939
Name	OJ990720_09.9C01.C24.o1.tm	Method	TBLASTX:Maize
Start	167	End	579
GI	none	Score	40
Exons	167..190, 185..235, 185..223, 261..398, 264..398, 265..402,		

499..579, 500..577

Seq. No.	12757	Seq. ID	OJ990720_09.9C01.C24
Gene No.	26967	Strand	-
Start	1	End	13939
Name	OJ990720_09.9C01.C24.o1.tw	Method	TBLASTX:Wheat
Start	167	End	531
GI	none	Score	83
Exons	167..223, 185..220, 232..252, 261..398, 262..402, 499..531, 500..529		

Seq. No.	12757	Seq. ID	OJ990720_09.9C01.C24
Gene No.	26967	Strand	-
Start	1	End	13939
Name	OJ990720_09.9C01.C24.o1.ts	Method	TBLASTX:Soybean
Start	264	End	582
GI	none	Score	128
Exons	264..398, 268..402, 499..582, 500..574		

Seq. No.	12757	Seq. ID	OJ990720_09.9C01.C24
Gene No.	26967	Strand	-
Start	1	End	13939
Name	OJ990720_09.9C01.C24.o1.tc	Method	TBLASTX:Cress
Start	267	End	586
GI	none	Score	94
Exons	267..398, 268..402, 499..579, 500..586		

Seq. No.	12757	Seq. ID	OJ990720_09.9C01.C24
Gene No.	26967	Strand	-
Start	1	End	13939
Name	OJ990720_09.9C01.C24.o2.gs	Method	GENSCAN
Start	8256	End	13870
GI	none	Score	.52
Exons	8256..8543, 10384..10415, 10470..10589, 10697..10736, 10863..11184, 11223..11362, 12515..12630, 13452..13535, 13597..13652, 13752..13870		

Seq. No.	12757	Seq. ID	OJ990720_09.9C01.C24
Gene No.	26967	Strand	-
Start	1	End	13939
Name	OJ990720_09.9C01.C24.o3.gp	Method	AAT/GAP
Start	9910	End	9968
GI	2312838	Score	63
Exons	9910..9968		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	12758	Seq. ID	OJ990720_09.9C01.C25
Gene No.	26968	Strand	-
Start	116	End	4095
Name	OJ990720_09.9C01.C25.o1.gs	Method	GENSCAN
Start	116	End	4095
GI	none	Score	.83
Exons	116..456, 823..970, 1717..1996, 3785..4095		

Seq. No.	12758	Seq. ID	OJ990720_09.9C01.C25
Gene No.	26968	Strand	-

Start	116	End	4095
Name	OJ990720_09.9C01.C25.o1.np	Method	AAT/NAP
Start	145	End	4059
GI	1167955	Score	714
Exons	145..363, 764..970, 1771..1923, 2659..2689, 3785..4059		
GI Descrip.	(U43497) putative 32.7 kDa jasmonate-induced protein [Hordeum vulgare] gi|2465428 (AF021257) 32 kDa protein [Hordeum vulgare]		

Seq. No.	12758	Seq. ID	OJ990720_09.9C01.C25
Gene No.	26969	Strand	-
Start	6301	End	8255
Name	OJ990720_09.9C01.C25.o2.tm	Method	TBLASTX:Maize
Start	247	End	4032
GI	none	Score	69
Exons	247..267, 304..372, 320..367, 797..901, 801..902, 902..964, 911..958, 1765..1956, 1772..1918, 1783..1935, 3781..3864, 3868..4032		

Seq. No.	12758	Seq. ID	OJ990720_09.9C01.C25
Gene No.	26969	Strand	-
Start	6301	End	8255
Name	OJ990720_09.9C01.C25.o2.np	Method	AAT/NAP
Start	5430	End	8255
GI	3850581	Score	231
Exons	5430..5616, 6534..6624, 7851..8020, 8172..8255		
GI Descrip.	(AC005278) EST gb|N96383 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	12758	Seq. ID	OJ990720_09.9C01.C25
Gene No.	26969	Strand	-
Start	6301	End	8255
Name	OJ990720_09.9C01.C25.o1.tm	Method	TBLASTX:Maize
Start	6290	End	6704
GI	none	Score	125
Exons	6290..6451, 6290..6328, 6308..6451, 6313..6453, 6313..6453, 6524..6655, 6528..6704, 6534..6653, 6536..6673		

Seq. No.	12758	Seq. ID	OJ990720_09.9C01.C25
Gene No.	26969	Strand	-
Start	6301	End	8255
Name	OJ990720_09.9C01.C25.o2.gs	Method	GENSCAN
Start	6301	End	8254
GI	none	Score	.78
Exons	6301..6450, 6534..6635, 7862..8020, 8172..8254		

Seq. No.	12758	Seq. ID	OJ990720_09.9C01.C25
Gene No.	26969	Strand	-
Start	6301	End	8255
Name	OJ990720_09.9C01.C25.o1.gp	Method	AAT/GAP
Start	6334	End	6641
GI	67687_1.R1084	Score	276
Exons	6334..6450, 6534..6641		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	12758	Seq. ID	OJ990720_09.9C01.C25
Gene No.	26969	Strand	-

Start	6301	End	8255
Name	OJ990720_09.9C01.C25.o2.gp	Method	AAT/GAP
Start	7978	End	8254
GI	702145	Score	192
Exons	7978..8020, 8171..8254		
GI Descrip.	3850581 1.0e-26 (AC005278) EST gb_N96383 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	12759	Seq. ID	OJ990720_09.9C01.C26
Gene No.	26970	Strand	+
Start	2001	End	4673
Name	OJ990720_09.9C01.C26.o1.gs	Method	GENSCAN
Start	2001	End	4673
GI	none	Score	.86
Exons	2001..2154, 2631..2721, 2797..2874, 3516..3597, 3910..4014, 4441..4485, 4587..4673		

Seq. No.	12759	Seq. ID	OJ990720_09.9C01.C26
Gene No.	26970	Strand	+
Start	2001	End	4673
Name	OJ990720_09.9C01.C26.o1.np	Method	AAT/NAP
Start	2034	End	4673
GI	1617274	Score	597
Exons	2034..2154, 2661..2721, 2797..2874, 3356..3427, 3516..3597, 3755..3860, 3938..4014, 4441..4485, 4587..4673		
GI Descrip.	(Z72152) AMP-binding protein [Brassica napus]		

Seq. No.	12759	Seq. ID	OJ990720_09.9C01.C26
Gene No.	26970	Strand	+
Start	2001	End	4673
Name	OJ990720_09.9C01.C26.o3.gp	Method	AAT/GAP
Start	2655	End	2879
GI	uC-osflm202110c11b1	Score	202
Exons	2655..2721, 2797..2879		
GI Descrip.	'1617274/emb|CAA96522| 3.0e-28 (Z72152) AMP-binding protein [Brassica napus]'		

Seq. No.	12759	Seq. ID	OJ990720_09.9C01.C26
Gene No.	26970	Strand	+
Start	2001	End	4673
Name	OJ990720_09.9C01.C26.o4.gp	Method	AAT/GAP
Start	3764	End	4037
GI	uC-osrocyp010a04b1	Score	264
Exons	3764..3860, 3938..4037		
GI Descrip.	'1617274/emb|CAA96522| 6.0e-33 (Z72152) AMP-binding protein [Brassica napus]'		

Seq. No.	12759	Seq. ID	OJ990720_09.9C01.C26
Gene No.	26971	Strand	-
Start	92	End	232
Name	OJ990720_09.9C01.C26.o1.gp	Method	AAT/GAP
Start	92	End	232
GI	702145	Score	246
Exons	92..232		
GI Descrip.	3850581 1.0e-26 (AC005278) EST gb_N96383 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	12759	Seq. ID	OJ990720_09.9C01.C26
Gene No.	26972	Strand	
Start	2658	End	4678
Name	OJ990720_09.9C01.C26.o1.tm	Method	TBLASTX:Maize
Start	2658	End	4678
GI	none	Score	59
Exons	2658..2720, 2662..2712, 2663..2722, 2663..2719, 2782..2865, 2795..2872, 2796..2864, 2797..2880, 3353..3427, 3357..3428, 3357..3497, 3358..3435, 3499..3702, 3513..3596, 3517..3597, 3518..3598, 3752..3862, 3755..3853, 3936..4013, 3937..4017, 3941..4018, 4414..4488, 4432..4488, 4440..4493, 4578..4673, 4582..4674, 4586..4678		

Seq. No.	12759	Seq. ID	OJ990720_09.9C01.C26
Gene No.	26972	Strand	
Start	2658	End	4678
Name	OJ990720_09.9C01.C26.o1.tc	Method	TBLASTX:Cress
Start	2665	End	4673
GI	none	Score	90
Exons	2665..2712, 2666..2722, 2794..2874, 2795..2872, 3357..3428, 3359..3427, 3511..3588, 3513..3572, 3516..3593, 3517..3594, 3739..3858, 3754..3861, 3755..3862, 3755..3868, 3936..3995, 3937..4017, 4411..4488, 4578..4673		

Seq. No.	12760	Seq. ID	OJ990720_09.9C01.C27
Gene No.	26973	Strand	+
Start	1	End	2901
Name	OJ990720_09.9C01.C27.o1.np	Method	AAT/NAP
Start	1	End	2901
GI	6671960	Score	926
Exons	1..28, 656..749, 844..923, 1029..1122, 1811..1899, 2032..2120, 2306..2435, 2527..2645, 2790..2901		
GI Descrip.	(AC013454) putative long-chain-fatty-acid--CoA ligase [Arabidopsis thaliana]		

Seq. No.	12760	Seq. ID	OJ990720_09.9C01.C27
Gene No.	26973	Strand	+
Start	1	End	2901
Name	OJ990720_09.9C01.C27.o1.gs	Method	GENSCAN
Start	186	End	2888
GI	none	Score	.76
Exons	186..270, 660..749, 844..923, 1029..1122, 1811..1865, 2306..2435, 2527..2645, 2790..2888		

Seq. No.	12760	Seq. ID	OJ990720_09.9C01.C27
Gene No.	26973	Strand	+
Start	1	End	2901
Name	OJ990720_09.9C01.C27.o1.tc	Method	TBLASTX:Cress
Start	653	End	2361
GI	none	Score	137
Exons	653..748, 654..749, 841..924, 843..923, 1030..1122, 2057..2125, 2305..2361		

Seq. No.	12760	Seq. ID	OJ990720_09.9C01.C27
Gene No.	26973	Strand	+
Start	1	End	2901
Name	OJ990720_09.9C01.C27.o1.ts	Method	TBLASTX:Soybean

Start	653	End	2658
GI	none	Score	133
Exons	653..748, 657..749, 841..924, 843..923, 1030..1122, 1032..1124, 1765..1896, 1810..1890, 1811..1909, 2024..2128, 2035..2157, 2289..2462, 2299..2436, 2307..2438, 2511..2570, 2515..2658, 2516..2644		

Seq. No.	12760	Seq. ID	OJ990720_09.9C01.C27
Gene No.	26973	Strand	+
Start	1	End	2901
Name	OJ990720_09.9C01.C27.o2.tm	Method	TBLASTX:Maize
Start	708	End	1909
GI	none	Score	77
Exons	708..749, 709..750, 709..753, 841..924, 841..924, 843..932, 843..926, 1028..1123, 1030..1122, 1095..1124, 1765..1899, 1809..1898, 1810..1899, 1811..1909		

Seq. No.	12760	Seq. ID	OJ990720_09.9C01.C27
Gene No.	26973	Strand	+
Start	1	End	2901
Name	OJ990720_09.9C01.C27.o1.tm	Method	TBLASTX:Maize
Start	2042	End	2901
GI	none	Score	131
Exons	2042..2128, 2042..2107, 2043..2108, 2289..2438, 2299..2436, 2304..2438, 2515..2664, 2516..2644, 2527..2658, 2785..2901, 2789..2899		

Seq. No.	12760	Seq. ID	OJ990720_09.9C01.C27
Gene No.	26973	Strand	+
Start	1	End	2901
Name	OJ990720_09.9C01.C27.o1.gp	Method	AAT/GAP
Start	2308	End	2901
GI	568356	Score	665
Exons	2308..2435, 2527..2645, 2790..2901		
GI Descrip.	1617274/emb|CAA96522| 2.0e-49 (Z72152) AMP-binding protein [Brassica napus]		

Seq. No.	12760	Seq. ID	OJ990720_09.9C01.C27
Gene No.	26973	Strand	+
Start	1	End	2901
Name	OJ990720_09.9C01.C27.o2.tc	Method	TBLASTX:Cress
Start	2368	End	2901
GI	none	Score	85
Exons	2368..2436, 2368..2436, 2516..2644, 2518..2664, 2785..2901, 2789..2899, 2797..2901		

Seq. No.	12761	Seq. ID	OJ990720_09.9C01.C28
Gene No.	26974	Strand	+
Start	302	End	1514
Name	OJ990720_09.9C01.C28.o1.np	Method	AAT/NAP
Start	302	End	1185
GI	1617274	Score	395
Exons	302..417, 496..581, 806..889, 986..1072, 1146..1185		
GI Descrip.	(Z72152) AMP-binding protein [Brassica napus]		

Seq. No.	12761	Seq. ID	OJ990720_09.9C01.C28
Gene No.	26974	Strand	+

Start	302	End	1514
Name	OJ990720_09.9C01.C28.o1.ts	Method	TBLASTX:Soybean
Start	302	End	1241
GI	none	Score	185
Exons	302..418, 303..422, 312..422, 464..634, 495..593, 803..892, 808..885, 973..1074, 983..1075, 1119..1241, 1145..1219		

Seq. No.	12761	Seq. ID	OJ990720_09.9C01.C28
Gene No.	26974	Strand	+
Start	302	End	1514
Name	OJ990720_09.9C01.C28.o1.tm	Method	TBLASTX:Maize
Start	302	End	1244
GI	none	Score	208
Exons	302..451, 303..437, 312..452, 479..580, 480..581, 800..889, 801..887, 803..892, 805..924, 976..1074, 983..1075, 985..1077, 1119..1244, 1140..1217, 1145..1243		

Seq. No.	12761	Seq. ID	OJ990720_09.9C01.C28
Gene No.	26974	Strand	+
Start	302	End	1514
Name	OJ990720_09.9C01.C28.o1.gs	Method	GENSCAN
Start	314	End	1241
GI	none	Score	.83
Exons	314..417, 478..581, 803..889, 986..1072, 1146..1241		

Seq. No.	12761	Seq. ID	OJ990720_09.9C01.C28
Gene No.	26974	Strand	+
Start	302	End	1514
Name	OJ990720_09.9C01.C28.o1.gp	Method	AAT/GAP
Start	496	End	581
GI	LIB3434-052-P1-K1-B11	Score	162
Exons	496..581		
GI Descrip.	'1617274/emb|CAA96522| 8.0e-22 (Z72152) AMP-binding protein [Brassica napus]'		

Seq. No.	12761	Seq. ID	OJ990720_09.9C01.C28
Gene No.	26974	Strand	+
Start	302	End	1514
Name	OJ990720_09.9C01.C28.o1.tc	Method	TBLASTX:Cress
Start	803	End	1242
GI	none	Score	83
Exons	803..892, 805..885, 967..1071, 983..1075, 988..1089, 1119..1241, 1140..1199, 1144..1242		

Seq. No.	12761	Seq. ID	OJ990720_09.9C01.C28
Gene No.	26974	Strand	+
Start	302	End	1514
Name	OJ990720_09.9C01.C28.o2.gp	Method	AAT/GAP
Start	803	End	1028
GI	LIB3434-052-P1-K1-B11	Score	198
Exons	803..889, 986..1028		
GI Descrip.	'1617274/emb|CAA96522| 8.0e-22 (Z72152) AMP-binding protein [Brassica napus]'		

Seq. No.	12761	Seq. ID	OJ990720_09.9C01.C28
Gene No.	26974	Strand	+
Start	302	End	1514

Name	OJ990720_09.9C01.C28.o1.tw	Method	TBLASTX:Wheat
Start	805	End	1270
GI	none	Score	114
Exons	805..924, 806..892, 976..1074, 983..1075, 985..1077, 1119..1250, 1137..1220, 1145..1270		

Seq. No.	12761	Seq. ID	OJ990720_09.9C01.C28
Gene No.	26974	Strand	+
Start	302	End	1514
Name	OJ990720_09.9C01.C28.o3.gp	Method	AAT/GAP
Start	990	End	1514
GI	3767955	Score	843
Exons	990..1072, 1146..1514		
GI Descrip.	1617274/emb|CAA96522| 1.0e-09 (Z72152) AMP-binding protein [Brassica napus]		

Seq. No.	12762	Seq. ID	OJ990720_09.9C01.C29
Gene No.	26975	Strand	+
Start	2254	End	2661
Name	OJ990720_09.9C01.C29.o1.gs	Method	GENSCAN
Start	2254	End	2661
GI	none	Score	.66
Exons	2254..2443, 2559..2661		

Seq. No.	12763	Seq. ID	OJ990720_09.9C01.C30
Gene No.	26976	Strand	+
Start	221	End	10254
Name	OJ990720_09.9C01.C30.o1.np	Method	AAT/NAP
Start	221	End	3007
GI	585771	Score	1057
Exons	221..323, 470..541, 635..673, 843..900, 986..1031, 1616..1661, 1750..1811, 1913..1979, 2061..2153, 2235..2303, 2395..2473, 2559..2725, 2966..3007		
GI Descrip.	MEIOTIC RECOMBINATION PROTEIN DMC1 HOMOLOG gi|629874|pir||JC2214 hypothetical 38.3K protein, LIM15 - Trumpet lily gi|431168|dbj|BAA04845| (D21821) RAD51-like protein [Lilium longiflorum]		

Seq. No.	12763	Seq. ID	OJ990720_09.9C01.C30
Gene No.	26976	Strand	+
Start	221	End	10254
Name	OJ990720_09.9C01.C30.o1.gs	Method	GENSCAN
Start	232	End	4521
GI	none	Score	.73
Exons	232..323, 470..541, 635..673, 2061..2153, 2235..2303, 2395..2473, 2559..2791, 3951..4202, 4423..4521		

Seq. No.	12763	Seq. ID	OJ990720_09.9C01.C30
Gene No.	26976	Strand	+
Start	221	End	10254
Name	OJ990720_09.9C01.C30.o2.np	Method	AAT/NAP
Start	3693	End	9460
GI	6069646	Score	471
Exons	3693..3721, 6608..7485, 9401..9460		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence,		

putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No.	12763	Seq. ID	OJ990720_09.9C01.C30
Gene No.	26976	Strand	+
Start	221	End	10254
Name	OJ990720_09.9C01.C30.o2.gs	Method	GENSCAN
Start	5923	End	10254
GI	none	Score	.52
Exons	5923..6056, 6359..6477, 7464..7566, 7750..7847, 7982..8374, 8615..8669, 9965..10092, 10238..10254		

Seq. No.	12763	Seq. ID	OJ990720_09.9C01.C30
Gene No.	26977	Strand	+
Start	10567	End	12369
Name	OJ990720_09.9C01.C30.o1.gp	Method	AAT/GAP
Start	10567	End	11179
GI	uC-osflcyp039h04b1	Score	306
Exons	10567..10736, 11133..11179		
GI Descrip.	'1617274/emb|CAA96522| 1.0e-09 (Z72152) AMP-binding protein [Brassica napus]'		

Seq. No.	12763	Seq. ID	OJ990720_09.9C01.C30
Gene No.	26977	Strand	+
Start	10567	End	12369
Name	OJ990720_09.9C01.C30.o3.np	Method	AAT/NAP
Start	10795	End	12369
GI	6815052	Score	146
Exons	10795..11306, 11656..11778, 12215..12369		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	12763	Seq. ID	OJ990720_09.9C01.C30
Gene No.	26978	Strand	-
Start	10563	End	12369
Name	OJ990720_09.9C01.C30.o1.ts	Method	TBLASTX:Soybean
Start	212	End	2730
GI	none	Score	154
Exons	212..322, 222..323, 249..323, 466..537, 470..541, 641..673, 834..923, 985..1032, 1590..1664, 1601..1663, 1747..1809, 1749..1808, 1913..1978, 1914..1982, 2060..2152, 2061..2156, 2228..2302, 2235..2303, 2392..2472, 2394..2465, 2528..2728, 2557..2724, 2567..2728, 2572..2730		

Seq. No.	12763	Seq. ID	OJ990720_09.9C01.C30
Gene No.	26978	Strand	-
Start	10563	End	12369
Name	OJ990720_09.9C01.C30.o3.tm	Method	TBLASTX:Maize
Start	1614	End	2288
GI	none	Score	71
Exons	1614..1664, 1747..1809, 1914..1982, 2061..2111, 2235..2288		

Seq. No.	12763	Seq. ID	OJ990720_09.9C01.C30
Gene No.	26978	Strand	-
Start	10563	End	12369
Name	OJ990720_09.9C01.C30.o1.tc	Method	TBLASTX:Cress
Start	1776	End	2586
GI	none	Score	41

Exons	1776..1808, 1777..1809, 1913..1954, 1914..1946, 2060..2152, 2061..2156, 2234..2299, 2235..2303, 2392..2472, 2394..2471, 2557..2586		
Seq. No.	12763	Seq. ID	OJ990720_09.9C01.C30
Gene No.	26978	Strand	-
Start	10563	End	12369
Name	OJ990720_09.9C01.C30.o1.tm	Method	TBLASTX:Maize
Start	6636	End	7059
GI	none	Score	51
Exons	6636..6692, 6712..7059, 6900..7058		
Seq. No.	12763	Seq. ID	OJ990720_09.9C01.C30
Gene No.	26978	Strand	-
Start	10563	End	12369
Name	OJ990720_09.9C01.C30.o1.tw	Method	TBLASTX:Wheat
Start	6892	End	7194
GI	none	Score	192
Exons	6892..7194, 7044..7193		
Seq. No.	12763	Seq. ID	OJ990720_09.9C01.C30
Gene No.	26978	Strand	-
Start	10563	End	12369
Name	OJ990720_09.9C01.C30.o2.tm	Method	TBLASTX:Maize
Start	7087	End	7502
GI	none	Score	203
Exons	7087..7380, 7233..7352, 7407..7502		
Seq. No.	12763	Seq. ID	OJ990720_09.9C01.C30
Gene No.	26978	Strand	-
Start	10563	End	12369
Name	OJ990720_09.9C01.C30.o3.gs	Method	GENSCAN
Start	10563	End	12299
GI	none	Score	.7
Exons	10563..10628, 11473..11643, 11852..11909, 12037..12079, 12239..12299		
Seq. No.	12763	Seq. ID	OJ990720_09.9C01.C30
Gene No.	26978	Strand	-
Start	10563	End	12369
Name	OJ990720_09.9C01.C30.o4.np	Method	AAT/NAP
Start	11590	End	12369
GI	5042454	Score	186
Exons	11590..11650, 12043..12208, 12345..12369		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	12764	Seq. ID	OJ990720_09.9C01.C31
Gene No.	26979	Strand	+
Start	493	End	6519
Name	OJ990720_09.9C01.C31.o1.gs	Method	GENSCAN
Start	493	End	3438
GI	none	Score	.71
Exons	493..638, 1141..1321, 1601..1699, 1875..2681, 2737..2878, 3112..3259, 3280..3438		
Seq. No.	12764	Seq. ID	OJ990720_09.9C01.C31
Gene No.	26979	Strand	+

Start	493	End	6519
Name	OJ990720_09.9C01.C31.o2.np	Method	AAT/NAP
Start	3249	End	6519
GI	6498436	Score	1051
Exons	3249..3336, 4786..4908, 4957..5461, 5730..6132, 6398..6519		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	12764	Seq. ID	OJ990720_09.9C01.C31
Gene No.	26980	Strand	-
Start	75	End	4824
Name	OJ990720_09.9C01.C31.o1.np	Method	AAT/NAP
Start	75	End	4824
GI	1052604	Score	102
Exons	75..100, 2004..2147, 2642..2979, 4797..4824		
GI Descrip.	(X89734) LWamide neuropeptide precursor protein [Hydractinia echinata] gi|1589265|prf||2210391A LWamide neuropeptide precursor [Hydractinia echinata]		

Seq. No.	12765	Seq. ID	OJ990720_09.9C01.C32
Gene No.	26981	Strand	+
Start	178	End	732
Name	OJ990720_09.9C01.C32.o1.gs	Method	GENSCAN
Start	178	End	732
GI	none	Score	.73
Exons	178..297, 324..526, 585..732		

Seq. No.	12766	Seq. ID	OJ990720_09.9C01.C33
Gene No.	26982	Strand	+
Start	143	End	1154
Name	OJ990720_09.9C01.C33.o1.gs	Method	GENSCAN
Start	143	End	1154
GI	none	Score	.59
Exons	143..214, 1050..1154		

Seq. No.	12767	Seq. ID	OJ990630_02.9C01.C1
Gene No.	26983	Strand	+
Start	1	End	64
Name	OJ990630_02.9C01.C1.o1.gp	Method	AAT/GAP
Start	1	End	64
GI	3445004	Score	76
Exons	1..64		
GI Descrip.	5091529/dbj|BAA78764.1| 2.0e-16 (AB023482) ESTs C98382(C2985),D22444(C11129) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana APK1 gene for protein tyrosine-serine-threonine kinase.(D12522) [Oryza sativa]		

Seq. No.	12768	Seq. ID	OJ990630_02.9C01.C2
Gene No.	26984	Strand	-
Start	1	End	527
Name	OJ990630_02.9C01.C2.o1.np	Method	AAT/NAP
Start	1	End	527
GI	5091513	Score	890
Exons	1..527		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	12768	Seq. ID	OJ990630_02.9C01.C2
Gene No.	26984	Strand	-

Start	1	End	527
Name	OJ990630_02.9C01.C2.o1.gs	Method	GENSCAN
Start	34	End	467
GI	none	Score	.64
Exons	34..467		

Seq. No.	12769	Seq. ID	OJ990630_02.9C01.C3
Gene No.	26985	Strand	
Start	462	End	809
Name	OJ990630_02.9C01.C3.o1.tm	Method	TBLASTX:Maize
Start	462	End	809
GI	none	Score	51
Exons	462..494, 463..531, 489..599, 607..660, 660..779, 663..782,	527..589, 585..659, 606..659, 664..786, 665..781, 780..809	

Seq. No.	12770	Seq. ID	OJ990630_02.9C01.C4
Gene No.	26986	Strand	-
Start	847	End	1889
Name	OJ990630_02.9C01.C4.o1.gs	Method	GENSCAN
Start	847	End	1824
GI	none	Score	.55
Exons	847..1824		

Seq. No.	12770	Seq. ID	OJ990630_02.9C01.C4
Gene No.	26986	Strand	-
Start	847	End	1889
Name	OJ990630_02.9C01.C4.o1.np	Method	AAT/NAP
Start	898	End	1889
GI	6729489	Score	618
Exons	898..1889		
GI Descrip.	(AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana]		

Seq. No.	12770	Seq. ID	OJ990630_02.9C01.C4
Gene No.	26986	Strand	-
Start	847	End	1889
Name	OJ990630_02.9C01.C4.o1.tc	Method	TBLASTX:Cress
Start	1090	End	1887
GI	none	Score	88
Exons	1090..1197, 1273..1440, 1301..1441, 1429..1638, 1522..1620, 1651..1842, 1664..1834, 1858..1887		

Seq. No.	12770	Seq. ID	OJ990630_02.9C01.C4
Gene No.	26986	Strand	-
Start	847	End	1889
Name	OJ990630_02.9C01.C4.o1.tw	Method	TBLASTX:Wheat
Start	1267	End	1635
GI	none	Score	71
Exons	1267..1569, 1307..1426, 1573..1635		

Seq. No.	12770	Seq. ID	OJ990630_02.9C01.C4
Gene No.	26986	Strand	-
Start	847	End	1889
Name	OJ990630_02.9C01.C4.o1.tm	Method	TBLASTX:Maize
Start	1307	End	1837
GI	none	Score	82
Exons	1307..1441, 1309..1452, 1429..1641, 1433..1465, 1522..1629,		

1648..1836, 1649..1837

Seq. No.	12770	Seq. ID	OJ990630_02.9C01.C4
Gene No.	26986	Strand	-
Start	847	End	1889
Name	OJ990630_02.9C01.C4.o1.ts	Method	TBLASTX:Soybean
Start	1348	End	1881
GI	none	Score	74
Exons	1348..1455, 1349..1435, 1438..1809, 1655..1801, 1840..1881		

Seq. No.	12771	Seq. ID	OJ990630_02.9C01.C5
Gene No.	26987	Strand	+
Start	9133	End	10576
Name	OJ990630_02.9C01.C5.o2.gp	Method	AAT/GAP
Start	9133	End	10576
GI	4350_1.R1084	Score	1709
Exons	9133..9464, 9632..9723, 9866..9923, 10028..10093, 10182..10576		
GI Descrip.	'2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]'		

Seq. No.	12771	Seq. ID	OJ990630_02.9C01.C5
Gene No.	26988	Strand	-
Start	1	End	1952
Name	OJ990630_02.9C01.C5.o1.np	Method	AAT/NAP
Start	1	End	840
GI	951110	Score	279
Exons	1..840		
GI Descrip.	(U22469) Mannose/glucose-binding lectin precursor [Arachis hypogaea]		

Seq. No.	12771	Seq. ID	OJ990630_02.9C01.C5
Gene No.	26988	Strand	-
Start	1	End	1952
Name	OJ990630_02.9C01.C5.o1.gs	Method	GENSCAN
Start	57	End	1952
GI	none	Score	.79
Exons	57..509, 558..773, 1305..1423, 1799..1952		

Seq. No.	12771	Seq. ID	OJ990630_02.9C01.C5
Gene No.	26989	Strand	-
Start	3165	End	5333
Name	OJ990630_02.9C01.C5.o2.tm	Method	TBLASTX:Maize
Start	2992	End	3364
GI	none	Score	44
Exons	2992..3057, 2995..3084, 3165..3362, 3165..3362, 3166..3363, 3170..3364		

Seq. No.	12771	Seq. ID	OJ990630_02.9C01.C5
Gene No.	26989	Strand	-
Start	3165	End	5333
Name	OJ990630_02.9C01.C5.o2.gs	Method	GENSCAN
Start	3165	End	5209
GI	none	Score	.78
Exons	3165..3923, 5111..5209		

Seq. No.	12771	Seq. ID	OJ990630_02.9C01.C5
Gene No.	26989	Strand	-
Start	3165	End	5333
Name	OJ990630_02.9C01.C5.o2.np	Method	AAT/NAP
Start	3168	End	5209
GI	6706419	Score	799
Exons	3168..3314, 3423..3938, 5111..5209		
GI Descrip.	(AL133248) putative protein [Arabidopsis thaliana]		

Seq. No.	12771	Seq. ID	OJ990630_02.9C01.C5
Gene No.	26989	Strand	-
Start	3165	End	5333
Name	OJ990630_02.9C01.C5.o1.ts	Method	TBLASTX:Soybean
Start	3579	End	5210
GI	none	Score	331
Exons	3579..3938, 3586..3939, 3626..3940, 5108..5209, 5127..5210		

Seq. No.	12771	Seq. ID	OJ990630_02.9C01.C5
Gene No.	26989	Strand	-
Start	3165	End	5333
Name	OJ990630_02.9C01.C5.o1.tm	Method	TBLASTX:Maize
Start	3633	End	5222
GI	none	Score	384
Exons	3633..3938, 3634..3939, 5108..5212, 5127..5222		

Seq. No.	12771	Seq. ID	OJ990630_02.9C01.C5
Gene No.	26989	Strand	-
Start	3165	End	5333
Name	OJ990630_02.9C01.C5.o1.gp	Method	AAT/GAP
Start	3817	End	5333
GI	65347_1.R1084	Score	633
Exons	3817..3938, 5111..5333		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	12771	Seq. ID	OJ990630_02.9C01.C5
Gene No.	26990	Strand	
Start	9667	End	10451
Name	OJ990630_02.9C01.C5.o3.tm	Method	TBLASTX:Maize
Start	9667	End	10451
GI	none	Score	105
Exons	9667..9717, 9668..9721, 9864..9923, 10025..10093, 10025..10093, 10027..10116, 10175..10285, 10176..10298, 10179..10307, 10180..10302, 10416..10451, 10430..10450		

Seq. No.	12772	Seq. ID	OJ990630_02.9C01.C6
Gene No.	26991	Strand	+
Start	1	End	1463
Name	OJ990630_02.9C01.C6.o1.np	Method	AAT/NAP
Start	1	End	1463
GI	6729489	Score	486
Exons	1..638, 1336..1463		
GI Descrip.	(AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana]		

Seq. No.	12772	Seq. ID	OJ990630_02.9C01.C6

Gene No.	26992	Strand	-
Start	1705	End	2007
Name	OJ990630_02.9C01.C6.o1.tm	Method	TBLASTX:Maize
Start	2	End	628
GI	none	Score	377
Exons	2..367, 7..354, 92..367, 392..628		

Seq. No.	12772	Seq. ID	OJ990630_02.9C01.C6
Gene No.	26992	Strand	-
Start	1705	End	2007
Name	OJ990630_02.9C01.C6.o1.tc	Method	TBLASTX:Cress
Start	14	End	601
GI	none	Score	362
Exons	14..364, 34..354, 380..601		

Seq. No.	12772	Seq. ID	OJ990630_02.9C01.C6
Gene No.	26992	Strand	-
Start	1705	End	2007
Name	OJ990630_02.9C01.C6.o1.tw	Method	TBLASTX:Wheat
Start	38	End	367
GI	none	Score	257
Exons	38..367, 43..204, 235..354		

Seq. No.	12772	Seq. ID	OJ990630_02.9C01.C6
Gene No.	26992	Strand	-
Start	1705	End	2007
Name	OJ990630_02.9C01.C6.o1.ts	Method	TBLASTX:Soybean
Start	44	End	577
GI	none	Score	384
Exons	44..577, 142..354, 255..359		

Seq. No.	12772	Seq. ID	OJ990630_02.9C01.C6
Gene No.	26992	Strand	-
Start	1705	End	2007
Name	OJ990630_02.9C01.C6.o2.gs	Method	GENSCAN
Start	1705	End	2007
GI	none	Score	1
Exons	1705..2007		

Seq. No.	12773	Seq. ID	OJ990630_02.9C01.C7
Gene No.	26993	Strand	+
Start	2062	End	7202
Name	OJ990630_02.9C01.C7.o1.gs	Method	GENSCAN
Start	2062	End	7202
GI	none	Score	.47
Exons	2062..2103, 2589..2703, 3121..3226, 3884..4166, 4757..4957, 6236..6361, 6455..6709, 6784..6898, 7171..7202		

Seq. No.	12773	Seq. ID	OJ990630_02.9C01.C7
Gene No.	26994	Strand	+
Start	15785	End	15925
Name	OJ990630_02.9C01.C7.o1.np	Method	AAT/NAP
Start	15785	End	15925
GI	5091512	Score	238
Exons	15785..15925		
GI Descrip.	(AB023482) Similar to Plasmodium vivax circumsporozoite protein gene, complete cds.(M11926) [Oryza sativa]		

Seq. No.	12773	Seq. ID	OJ990630_02.9C01.C7
Gene No.	26995	Strand	-
Start	9529	End	11497
Name	OJ990630_02.9C01.C7.o2.gs	Method	GENSCAN
Start	9529	End	11497
GI	none	Score	.9
Exons	9529..9578, 10086..10220, 10724..10885, 11045..11167, 11179..11497		

Seq. No.	12773	Seq. ID	OJ990630_02.9C01.C7
Gene No.	26996	Strand	-
Start	12855	End	13102
Name	OJ990630_02.9C01.C7.o2.gp	Method	AAT/GAP
Start	12855	End	13102
GI	3761181	Score	462
Exons	12855..13102		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	12773	Seq. ID	OJ990630_02.9C01.C7
Gene No.	26997	Strand	-
Start	14797	End	15681
Name	OJ990630_02.9C01.C7.o3.gs	Method	GENSCAN
Start	14797	End	15681
GI	none	Score	.68
Exons	14797..15123, 15247..15358, 15378..15582, 15597..15681		

Seq. No.	12774	Seq. ID	OJ990630_02.9C01.C8
Gene No.	26998	Strand	-
Start	1	End	4181
Name	OJ990630_02.9C01.C8.o1.np	Method	AAT/NAP
Start	1	End	4181
GI	5091513	Score	1830
Exons	1..637, 1380..2273, 4108..4181		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	12774	Seq. ID	OJ990630_02.9C01.C8
Gene No.	26998	Strand	-
Start	1	End	4181
Name	OJ990630_02.9C01.C8.o1.gp	Method	AAT/GAP
Start	2730	End	2977
GI	3761181	Score	462
Exons	2730..2977		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	12775	Seq. ID	OJ990630_02.9C01.C9
Gene No.	26999	Strand	+
Start	86	End	2348
Name	OJ990630_02.9C01.C9.o1.gs	Method	GENSCAN
Start	86	End	2348
GI	none	Score	.49
Exons	86..178, 1219..1288, 2301..2348		

Seq. No.	12775	Seq. ID	OJ990630_02.9C01.C9
Gene No.	27000	Strand	+

Start	3347	End	4399
Name	OJ990630_02.9C01.C9.o2.gs	Method	GENSCAN
Start	3347	End	4393
GI	none	Score	.95
Exons	3347..4105, 4202..4393		

Seq. No.	12775	Seq. ID	OJ990630_02.9C01.C9
Gene No.	27000	Strand	+
Start	3347	End	4399
Name	OJ990630_02.9C01.C9.o1.gp	Method	AAT/GAP
Start	3513	End	4075
GI	20721_1.R1084	Score	1082
Exons	3513..4075		
GI Descrip.	'1871194 4.0e-16 (U90439) DNA binding protein isolog [Arabidopsis thaliana] >gi_2335092 (AC002339) putative DNA binding protein [Arabidopsis thaliana]'		

Seq. No.	12775	Seq. ID	OJ990630_02.9C01.C9
Gene No.	27000	Strand	+
Start	3347	End	4399
Name	OJ990630_02.9C01.C9.o2.np	Method	AAT/NAP
Start	3543	End	4399
GI	6706425	Score	455
Exons	3543..4105, 4202..4399		
GI Descrip.	(AL133248) putative protein [Arabidopsis thaliana]		

Seq. No.	12775	Seq. ID	OJ990630_02.9C01.C9
Gene No.	27001	Strand	+
Start	4521	End	4837
Name	OJ990630_02.9C01.C9.o2.gp	Method	AAT/GAP
Start	4521	End	4837
GI	6062517	Score	578
Exons	4521..4837		

Seq. No.	12775	Seq. ID	OJ990630_02.9C01.C9
Gene No.	27002	Strand	-
Start	855	End	4564
Name	OJ990630_02.9C01.C9.o1.np	Method	AAT/NAP
Start	855	End	4564
GI	5852093	Score	124
Exons	855..923, 1599..1705, 4506..4564		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	12775	Seq. ID	OJ990630_02.9C01.C9
Gene No.	27003	Strand	-
Start	7184	End	12335
Name	OJ990630_02.9C01.C9.o1.tm	Method	TBLASTX:Maize
Start	3345	End	4580
GI	none	Score	37
Exons	3345..3377, 3345..3371, 3512..3532, 3512..3532, 3605..3706, 3607..3705, 3803..3874, 3835..3873, 3859..4116, 3917..4123, 4199..4390, 4309..4398, 4329..4400, 4490..4525, 4522..4578, 4535..4573, 4536..4580		

Seq. No.	12775	Seq. ID	OJ990630_02.9C01.C9
Gene No.	27003	Strand	-
Start	7184	End	12335

Name	OJ990630_02.9C01.C9.o1.tc	Method	TBLASTX:Cress
Start	3941	End	4249
GI	none	Score	206
Exons	3941..4123, 3943..4122, 4196..4249		

Seq. No.	12775	Seq. ID	OJ990630_02.9C01.C9
Gene No.	27003	Strand	-
Start	7184	End	12335
Name	OJ990630_02.9C01.C9.o3.gs	Method	GENSCAN
Start	7184	End	12335
GI	none	Score	.47
Exons	7184..9859, 10073..10412, 10990..11048, 11470..11525, 11578..11881, 12071..12335		

Seq. No.	12775	Seq. ID	OJ990630_02.9C01.C9
Gene No.	27003	Strand	-
Start	7184	End	12335
Name	OJ990630_02.9C01.C9.o3.tm	Method	TBLASTX:Maize
Start	7184	End	7844
GI	none	Score	34
Exons	7184..7222, 7185..7250, 7188..7244, 7195..7254, 7230..7286, 7288..7323, 7291..7341, 7298..7342, 7340..7423, 7352..7423, 7356..7442, 7362..7466, 7364..7441, 7416..7484, 7436..7573, 7438..7611, 7450..7575, 7601..7663, 7694..7828, 7697..7843, 7698..7844		

Seq. No.	12775	Seq. ID	OJ990630_02.9C01.C9
Gene No.	27003	Strand	-
Start	7184	End	12335
Name	OJ990630_02.9C01.C9.o4.tm	Method	TBLASTX:Maize
Start	9075	End	9383
GI	none	Score	119
Exons	9075..9269, 9080..9271, 9099..9284, 9101..9286, 9275..9379, 9275..9382, 9288..9383		

Seq. No.	12775	Seq. ID	OJ990630_02.9C01.C9
Gene No.	27003	Strand	-
Start	7184	End	12335
Name	OJ990630_02.9C01.C9.o3.gp	Method	AAT/GAP
Start	9168	End	9556
GI	96731_1.R1084	Score	661
Exons	9168..9556		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	12775	Seq. ID	OJ990630_02.9C01.C9
Gene No.	27003	Strand	-
Start	7184	End	12335
Name	OJ990630_02.9C01.C9.o2.tm	Method	TBLASTX:Maize
Start	9413	End	9939
GI	none	Score	67
Exons	9413..9493, 9414..9464, 9455..9628, 9483..9629, 9644..9919, 9657..9899, 9659..9922, 9661..9939		

Seq. No.	12775	Seq. ID	OJ990630_02.9C01.C9
Gene No.	27003	Strand	-
Start	7184	End	12335

Name	OJ990630_02.9C01.C9.o2.tc	Method	TBLASTX:Cress
Start	9728	End	9976
GI	none	Score	48
Exons	9728..9799, 9755..9940, 9774..9899, 9803..9976		

Seq. No.	12776	Seq. ID	OJ990630_02.9C01.C10
Gene No.	27004	Strand	+
Start	317	End	5307
Name	OJ990630_02.9C01.C10.o1.gs	Method	GENSCAN
Start	317	End	5307
GI	none	Score	.42
Exons	317..489, 1014..1100, 1710..1818, 2058..2177, 3467..3670, 4379..4498, 4963..5135, 5221..5307		

Seq. No.	12776	Seq. ID	OJ990630_02.9C01.C10
Gene No.	27005	Strand	+
Start	5489	End	7513
Name	OJ990630_02.9C01.C10.o1.gp	Method	AAT/GAP
Start	5427	End	6870
GI	44_2.R1084	Score	2838
Exons	5427..6870		
GI Descrip.	'5091529/dbj|BAA78764.1| 2.0e-16 (AB023482) ESTs C98382(C2985),D22444(C11129) correspond to a region of the predicted gene.; Similar to Arabidopsis thaliana APK1 gene for protein tyrosine-serine-threonine kinase.(D12522) [Oryza sativa]'		

Seq. No.	12776	Seq. ID	OJ990630_02.9C01.C10
Gene No.	27005	Strand	+
Start	5489	End	7513
Name	OJ990630_02.9C01.C10.o2.gs	Method	GENSCAN
Start	5489	End	7513
GI	none	Score	.55
Exons	5489..6483, 6489..6529, 6713..6807, 7433..7513		

Seq. No.	12776	Seq. ID	OJ990630_02.9C01.C10
Gene No.	27005	Strand	+
Start	5489	End	7513
Name	OJ990630_02.9C01.C10.o1.np	Method	AAT/NAP
Start	5495	End	6472
GI	3978578	Score	624
Exons	5495..6472		
GI Descrip.	(AB020528) Polygalacturonase inhibitor [Poncirus trifoliata]		

Seq. No.	12776	Seq. ID	OJ990630_02.9C01.C10
Gene No.	27006	Strand	-
Start	3706	End	7510
Name	OJ990630_02.9C01.C10.o2.np	Method	AAT/NAP
Start	3706	End	7510
GI	6721547	Score	67
Exons	3706..3813, 4277..4365, 7426..7510		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	12776	Seq. ID	OJ990630_02.9C01.C10
Gene No.	27007	Strand	-
Start	9098	End	11024
Name	OJ990630_02.9C01.C10.o1.tc	Method	TBLASTX:Cress

Start	5567	End	6475
GI	none	Score	68
Exons	5567..5662, 5657..5695, 5732..6043, 5810..5980, 5876..6052, 5996..6163, 6047..6322, 6074..6112, 6079..6321, 6149..6238, 6263..6331, 6275..6406, 6350..6475		

Seq. No.	12776	Seq. ID	OJ990630_02.9C01.C10
Gene No.	27007	Strand	-
Start	9098	End	11024
Name	OJ990630_02.9C01.C10.o1.ts	Method	TBLASTX:Soybean
Start	5567	End	9072
GI	none	Score	70
Exons	5567..5644, 5651..5686, 5732..6043, 5768..5863, 5810..5980, 5810..5920, 5812..5970, 5875..6045, 5882..6058, 5921..6049, 5930..5989, 6071..6475, 6071..6112, 6088..6393, 6272..6394, 6275..6406, 8959..9072		

Seq. No.	12776	Seq. ID	OJ990630_02.9C01.C10
Gene No.	27007	Strand	-
Start	9098	End	11024
Name	OJ990630_02.9C01.C10.o1.tm	Method	TBLASTX:Maize
Start	5567	End	6477
GI	none	Score	1308
Exons	5567..6475, 5572..6477		

Seq. No.	12776	Seq. ID	OJ990630_02.9C01.C10
Gene No.	27007	Strand	-
Start	9098	End	11024
Name	OJ990630_02.9C01.C10.o1.tw	Method	TBLASTX:Wheat
Start	5630	End	6397
GI	none	Score	66
Exons	5630..5731, 5810..6058, 5861..6040, 5878..5973, 6088..6144, 6275..6385, 6275..6397, 6275..6382		

Seq. No.	12776	Seq. ID	OJ990630_02.9C01.C10
Gene No.	27007	Strand	-
Start	9098	End	11024
Name	OJ990630_02.9C01.C10.o3.gs	Method	GENSCAN
Start	9098	End	11024
GI	none	Score	.75
Exons	9098..9210, 9244..9430, 10998..11024		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27008	Strand	+
Start	3522	End	10033
Name	OJ990630_02.9C01.C11.o1.gs	Method	GENSCAN
Start	3522	End	8954
GI	none	Score	.52
Exons	3522..3538, 4040..4184, 4744..5039, 5133..5290, 5382..5535, 5707..5778, 5866..5937, 6267..6439, 6970..7340, 7500..7626, 7945..8134, 8302..8434, 8604..8954		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27008	Strand	+
Start	3522	End	10033
Name	OJ990630_02.9C01.C11.o1.np	Method	AAT/NAP
Start	5017	End	10033

GI	6522608	Score	448
Exons	5017..5078, 6202..6498, 7002..7190, 7500..7636, 7713..7765, 7945..8134, 8302..8434, 8604..8803, 9024..9157, 9979..10033		
GI Descrip.	(AL133298) receptor-like protein kinase homolog [Arabidopsis thaliana]		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27008	Strand	+
Start	3522	End	10033
Name	OJ990630_02.9C01.C11.o1.gp	Method	AAT/GAP
Start	5177	End	6163
GI	uC-osflcyp085b05a1	Score	828
Exons	5177..5290, 5382..5535, 5707..5778, 5866..5937, 6112..6163		
GI Descrip.	'3176723 7.0e-10 (AC002392) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27009	Strand	+
Start	19449	End	21434
Name	OJ990630_02.9C01.C11.o2.np	Method	AAT/NAP
Start	19367	End	21434
GI	1871192	Score	1032
Exons	19367..21434		
GI Descrip.	(U90439) putative CCCH-type zinc finger protein [Arabidopsis thaliana]		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27009	Strand	+
Start	19449	End	21434
Name	OJ990630_02.9C01.C11.o3.gs	Method	GENSCAN
Start	19449	End	21422
GI	none	Score	.95
Exons	19449..21422		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27009	Strand	+
Start	19449	End	21434
Name	OJ990630_02.9C01.C11.o2.gp	Method	AAT/GAP
Start	19834	End	20276
GI	LIB3431-019-P1-K1-E3	Score	830
Exons	19834..20276		
GI Descrip.	'1871192 9.0e-26 (U90439) Cys3His zinc finger protein isolog [Arabidopsis thaliana]'		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27009	Strand	+
Start	19449	End	21434
Name	OJ990630_02.9C01.C11.o3.gp	Method	AAT/GAP
Start	20395	End	20786
GI	3763031	Score	722
Exons	20395..20786		
GI Descrip.	1871192 4.0e-10 (U90439) Cys3His zinc finger protein isolog [Arabidopsis thaliana]		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27009	Strand	+
Start	19449	End	21434

Name	OJ990630_02.9C01.C11.o4.gp	Method	AAT/GAP
Start	20809	End	21336
GI	LIB3434-003-P1-K1-B11	Score	1035
Exons	20809..21336		
GI Descrip.	'1871192 1.0e-20 (U90439) Cys3His zinc finger protein isolog [Arabidopsis thaliana]'		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27010	Strand	+
Start	34600	End	35431
Name	OJ990630_02.9C01.C11.o5.gs	Method	GENSCAN
Start	34600	End	35431
GI	none	Score	.6
Exons	34600..34602, 35002..35068, 35205..35431		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27011	Strand	-
Start	10200	End	18307
Name	OJ990630_02.9C01.C11.o2.gs	Method	GENSCAN
Start	10200	End	18307
GI	none	Score	.8
Exons	10200..10282, 10426..12490, 12779..13579, 13669..13707, 14681..14787, 14816..14914, 15099..15232, 18084..18307		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27012	Strand	-
Start	21326	End	26745
Name	OJ990630_02.9C01.C11.o3.np	Method	AAT/NAP
Start	21326	End	26745
GI	4006895	Score	272
Exons	21326..21416, 23958..24068, 24784..24847, 25473..25524, 26041..26138, 26624..26745		
GI Descrip.	(Z99708) putative protein [Arabidopsis thaliana]		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27012	Strand	-
Start	21326	End	26745
Name	OJ990630_02.9C01.C11.o5.gp	Method	AAT/GAP
Start	21443	End	21876
GI	none	Score	834
Exons	21443..21876		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27012	Strand	-
Start	21326	End	26745
Name	OJ990630_02.9C01.C11.o6.gp	Method	AAT/GAP
Start	22996	End	26128
GI	2424_1.R1084	Score	1316
Exons	22996..23379, 23811..23883, 23973..24068, 24784..24847, 25473..25524, 26041..26128		
GI Descrip.	'4006895/emb|CAB16825.1| 5.0e-24 (Z99708) putative protein [Arabidopsis thaliana]'		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27013	Strand	-
Start	30089	End	31763
Name	OJ990630_02.9C01.C11.o7.gp	Method	AAT/GAP

Start	30089	End	31763
GI	2428329	Score	760
Exons	30089..30211, 31262..31477, 31691..31763		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27014	Strand	-
Start	35846	End	40546
Name	OJ990630_02.9C01.C11.o6.gs	Method	GENSCAN
Start	35846	End	40204
GI	none	Score	.93
Exons	35846..36013, 36215..36261, 36671..36743, 37251..37481, 37676..37843, 37940..38055, 38368..38520, 38756..38899, 39099..39222, 39641..40204		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27014	Strand	-
Start	35846	End	40546
Name	OJ990630_02.9C01.C11.o9.gp	Method	AAT/GAP
Start	36646	End	37093
GI	2317538	Score	861
Exons	36646..37093		
GI Descrip.	2129549/pir||S71198 9.0e-18 calcium-dependent protein kinase (EC 2.7.1.-) CDPK19 - Arabidopsis thaliana >gi_2129551_pir__S71778 calcium-dependent protein kinase 19 - Arabidopsis thaliana >gi_836942 (U20624) calcium-dependent protein kinase [Arabidopsis thaliana] >gi_836948 (U20627) calcium-dependent protein kinase [Arabidopsis thaliana]		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27014	Strand	-
Start	35846	End	40546
Name	OJ990630_02.9C01.C11.o4.np	Method	AAT/NAP
Start	36934	End	40204
GI	2665890	Score	1898
Exons	36934..37086, 37251..37481, 37676..37843, 37940..38055, 38368..38520, 38756..38899, 39099..39222, 39641..40093, 40154..40204		
GI Descrip.	(AF035944) calcium-dependent protein kinase [Fragaria x ananassa]		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27014	Strand	-
Start	35846	End	40546
Name	OJ990630_02.9C01.C11.o10.gp	Method	AAT/GAP
Start	37763	End	38833
GI	428545	Score	754
Exons	37763..37843, 37940..38055, 38368..38520, 38756..38833		
GI Descrip.	2665890 4.0e-59 (AF035944) calcium-dependent protein kinase [Fragaria x ananassa]		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27014	Strand	-
Start	35846	End	40546
Name	OJ990630_02.9C01.C11.o5.np	Method	AAT/NAP
Start	39570	End	40546
GI	81286	Score	99
Exons	39570..39953, 40264..40546		

GI Descrip. extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27015	Strand	-
Start	41877	End	43280
Name	OJ990630_02.9C01.C11.o7.gs	Method	GENSCAN
Start	41877	End	43280
GI	none	Score	.63
Exons	41877..42046, 42740..42807, 42958..43103, 43164..43280		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27016	Strand	-
Start	43295	End	44639
Name	OJ990630_02.9C01.C11.o7.tm	Method	TBLASTX:Maize
Start	7572	End	8422
GI	none	Score	96
Exons	7572..7628, 7574..7627, 7655..7765, 7692..7787, 7695..7766, 7919..8137, 7935..8135, 8283..8396, 8303..8422, 8303..8422		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27016	Strand	-
Start	43295	End	44639
Name	OJ990630_02.9C01.C11.o3.tw	Method	TBLASTX:Wheat
Start	8387	End	8810
GI	none	Score	88
Exons	8387..8446, 8390..8434, 8591..8809, 8604..8810		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27016	Strand	-
Start	43295	End	44639
Name	OJ990630_02.9C01.C11.o8.tm	Method	TBLASTX:Maize
Start	8703	End	8965
GI	none	Score	305
Exons	8703..8903, 8703..8876, 8705..8902, 8906..8965, 8917..8955		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27016	Strand	-
Start	43295	End	44639
Name	OJ990630_02.9C01.C11.o4.tm	Method	TBLASTX:Maize
Start	12210	End	12475
GI	none	Score	354
Exons	12210..12473, 12210..12470, 12212..12475, 12212..12475		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27016	Strand	-
Start	43295	End	44639
Name	OJ990630_02.9C01.C11.o4.ts	Method	TBLASTX:Soybean
Start	12233	End	12499
GI	none	Score	77
Exons	12233..12322, 12234..12323, 12338..12499, 12351..12491		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27016	Strand	-
Start	43295	End	44639
Name	OJ990630_02.9C01.C11.o1.tw	Method	TBLASTX:Wheat
Start	20084	End	20465

GI	none	Score	82
Exons	20084..20221, 20085..20261, 20088..20303, 20117..20302, 20294..20464, 20298..20465		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27016	Strand	-
Start	43295	End	44639
Name	OJ990630_02.9C01.C11.o1.ts	Method	TBLASTX:Soybean
Start	20090	End	21416
GI	none	Score	357
Exons	20090..20296, 20091..20303, 20301..20513, 20306..20539, 20634..20720, 20796..21083, 21123..21206, 21231..21275, 21312..21416, 21312..21416		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27016	Strand	-
Start	43295	End	44639
Name	OJ990630_02.9C01.C11.o1.tc	Method	TBLASTX:Cress
Start	20091	End	20510
GI	none	Score	338
Exons	20091..20303, 20091..20285, 20093..20299, 20300..20497, 20301..20510		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27016	Strand	-
Start	43295	End	44639
Name	OJ990630_02.9C01.C11.o1.tm	Method	TBLASTX:Maize
Start	20161	End	20920
GI	none	Score	109
Exons	20161..20283, 20177..20410, 20178..20411, 20270..20422, 20410..20493, 20414..20539, 20415..20525, 20504..20797, 20550..20798, 20799..20918, 20801..20920		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27016	Strand	-
Start	43295	End	44639
Name	OJ990630_02.9C01.C11.o2.tw	Method	TBLASTX:Wheat
Start	20628	End	20951
GI	none	Score	202
Exons	20628..20798, 20628..20813, 20629..20811, 20794..20949, 20798..20950, 20799..20951		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27016	Strand	-
Start	43295	End	44639
Name	OJ990630_02.9C01.C11.o3.tm	Method	TBLASTX:Maize
Start	20921	End	21702
GI	none	Score	121
Exons	20921..20998, 20922..20999, 20993..21097, 20994..21098, 21129..21311, 21131..21316, 21133..21318, 21133..21309, 21318..21410, 21320..21412, 21333..21401, 21399..21584, 21481..21537, 21489..21545, 21524..21565, 21583..21612, 21610..21651, 21645..21686, 21649..21702		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27016	Strand	-
Start	43295	End	44639

Name	OJ990630_02.9C01.C11.o2.tm	Method	TBLASTX:Maize
Start	29571	End	29964
GI	none	Score	425
Exons	29571..29963, 29571..29963, 29572..29964, 29572..29964		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27016	Strand	-
Start	43295	End	44639
Name	OJ990630_02.9C01.C11.o3.ts	Method	TBLASTX:Soybean
Start	29595	End	29924
GI	none	Score	66
Exons	29595..29711, 29596..29895, 29596..29751, 29598..29924		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27016	Strand	-
Start	43295	End	44639
Name	OJ990630_02.9C01.C11.o3.tc	Method	TBLASTX:Cress
Start	29688	End	30077
GI	none	Score	83
Exons	29688..29930, 29692..29898, 29925..30077, 29959..30054		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27016	Strand	-
Start	43295	End	44639
Name	OJ990630_02.9C01.C11.o9.tm	Method	TBLASTX:Maize
Start	29965	End	30238
GI	none	Score	152
Exons	29965..30102, 29967..30131, 29970..30128, 30103..30219, 30104..30238, 30110..30211		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27016	Strand	-
Start	43295	End	44639
Name	OJ990630_02.9C01.C11.o10.tm	Method	TBLASTX:Maize
Start	36878	End	37089
GI	none	Score	214
Exons	36878..37087, 36881..37087, 36925..37089		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27016	Strand	-
Start	43295	End	44639
Name	OJ990630_02.9C01.C11.o2.tc	Method	TBLASTX:Cress
Start	36922	End	40039
GI	none	Score	87
Exons	36922..37089, 36945..37088, 36949..37089, 36950..37159, 37249..37296, 37272..37478, 37308..37478, 37354..37479, 37676..37849, 37716..37844, 37937..38056, 37938..38048, 37953..38081, 38369..38536, 38373..38525, 38755..38898, 38757..38900, 38757..38900, 38758..38901, 39097..39225, 39098..39226, 39106..39294, 39579..39941, 39638..40039		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27016	Strand	-
Start	43295	End	44639
Name	OJ990630_02.9C01.C11.o2.ts	Method	TBLASTX:Soybean
Start	36948	End	40204
GI	none	Score	80

Exons	36948..37088, 36949..37089, 36949..37089, 36953..37114, 36953..37102, 37249..37479, 37251..37478, 37676..37837, 37676..37849, 37719..37844, 37937..38056, 37937..38056, 37938..38057, 38362..38460, 38369..38536, 38370..38525, 38755..38886, 38757..38897, 38757..38900, 38758..38901, 39097..39225, 39098..39226, 39606..39941, 39638..40051, 39908..40021, 40043..40078, 40181..40204		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27016	Strand	-
Start	43295	End	44639
Name	OJ990630_02.9C01.C11.o5.tm	Method	TBLASTX:Maize
Start	37218	End	38871
GI	none	Score	257
Exons	37218..37481, 37249..37482, 37249..37482, 37322..37483, 37676..37849, 37682..37843, 37719..37850, 37937..38053, 37938..38054, 37939..38055, 38363..38524, 38363..38536, 38367..38549, 38755..38868, 38756..38869, 38757..38870, 38758..38871		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27016	Strand	-
Start	43295	End	44639
Name	OJ990630_02.9C01.C11.o5.tw	Method	TBLASTX:Wheat
Start	38369	End	38798
GI	none	Score	119
Exons	38369..38536, 38373..38525, 38757..38798		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27016	Strand	-
Start	43295	End	44639
Name	OJ990630_02.9C01.C11.o4.tw	Method	TBLASTX:Wheat
Start	38799	End	39730
GI	none	Score	147
Exons	38799..38900, 38799..38900, 38800..38901, 38801..38902, 38801..38905, 39097..39225, 39098..39223, 39606..39716, 39617..39718, 39638..39730		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27016	Strand	-
Start	43295	End	44639
Name	OJ990630_02.9C01.C11.o6.tm	Method	TBLASTX:Maize
Start	39097	End	39856
GI	none	Score	191
Exons	39097..39225, 39098..39223, 39100..39225, 39617..39856, 39638..39856		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27016	Strand	-
Start	43295	End	44639
Name	OJ990630_02.9C01.C11.o11.tm	Method	TBLASTX:Maize
Start	39857	End	40204
GI	none	Score	132
Exons	39857..40027, 39857..40045, 40028..40078, 40181..40204		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27016	Strand	-

Start	43295	End	44639
Name	OJ990630_02.9C01.C11.o6.np	Method	AAT/NAP
Start	43295	End	44639
GI	6630699	Score	92
Exons	43295..43381, 44615..44639		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	12777	Seq. ID	OJ990630_02.9C01.C11
Gene No.	27016	Strand	-
Start	43295	End	44639
Name	OJ990630_02.9C01.C11.o8.gs	Method	GENSCAN
Start	44438	End	44633
GI	none	Score	.97
Exons	44438..44633		

Seq. No.	12778	Seq. ID	OJ990930_04.9C01.C2
Gene No.	27017	Strand	-
Start	253	End	1234
Name	OJ990930_04.9C01.C2.o1.np	Method	AAT/NAP
Start	253	End	1234
GI	6498436	Score	215
Exons	253..370, 864..1234		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	12779	Seq. ID	OJ990930_04.9C01.C3
Gene No.	27018	Strand	+
Start	307	End	804
Name	OJ990930_04.9C01.C3.o1.gp	Method	AAT/GAP
Start	307	End	804
GI	none	Score	846
Exons	307..804		

Seq. No.	12779	Seq. ID	OJ990930_04.9C01.C3
Gene No.	27019	Strand	+
Start	2353	End	2989
Name	OJ990930_04.9C01.C3.o2.gp	Method	AAT/GAP
Start	2353	End	2989
GI	17747_1.R1084	Score	1209
Exons	2353..2989		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 3.0e-12 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	12779	Seq. ID	OJ990930_04.9C01.C3
Gene No.	27020	Strand	+
Start	4285	End	4491
Name	OJ990930_04.9C01.C3.o4.gp	Method	AAT/GAP
Start	4285	End	4491
GI	uC-osflcyp102g09a1	Score	345
Exons	4285..4491		
GI Descrip.	'4432830/gb|AAD20679| 1.0e-17 (AC006283) similar to pheromone receptor deficient mutant [Arabidopsis thaliana]'		

Seq. No.	12779	Seq. ID	OJ990930_04.9C01.C3
Gene No.	27021	Strand	-
Start	3075	End	3198

Name	OJ990930_04.9C01.C3.o3.gp	Method	AAT/GAP
Start	3075	End	3198
GI	none	Score	207
Exons	3075..3198		

Seq. No.	12779	Seq. ID	OJ990930_04.9C01.C3
Gene No.	27022	Strand	-
Start	4589	End	15531
Name	OJ990930_04.9C01.C3.o2.gs	Method	GENSCAN
Start	4589	End	15531
GI	none	Score	.69
Exons	4589..4696, 4775..4936, 5796..5903, 6053..6160, 6261..6370, 6499..6605, 6726..6943, 7051..7218, 7410..7528, 7815..7902, 8032..8226, 8345..8648, 8740..8857, 9411..9510, 9660..9891, 10053..10074, 10359..10514, 12564..12620, 12643..12708, 13075..13188, 13655..13703, 13801..13913, 15434..15531		

Seq. No.	12779	Seq. ID	OJ990930_04.9C01.C3
Gene No.	27022	Strand	-
Start	4589	End	15531
Name	OJ990930_04.9C01.C3.o2.np	Method	AAT/NAP
Start	4592	End	9824
GI	4510395	Score	2550
Exons	4592..4696, 4775..5110, 5408..5619, 5796..5903, 6053..6160, 6261..6348, 6486..6598, 6719..6906, 7047..7218, 7410..7528, 7815..7902, 8032..8226, 8345..8648, 8740..8864, 9427..9510, 9660..9824		
GI Descrip.	(AC006587) putative beta-galactosidase [Arabidopsis thaliana]		

Seq. No.	12779	Seq. ID	OJ990930_04.9C01.C3
Gene No.	27022	Strand	-
Start	4589	End	15531
Name	OJ990930_04.9C01.C3.o5.gp	Method	AAT/GAP
Start	4639	End	4959
GI	2797583	Score	458
Exons	4639..4696, 4775..4959		
GI Descrip.	4432830/gb|AAD20679| 1.0e-17 (AC006283) similar to pheromone receptor deficient mutant [Arabidopsis thaliana]		

Seq. No.	12779	Seq. ID	OJ990930_04.9C01.C3
Gene No.	27022	Strand	-
Start	4589	End	15531
Name	OJ990930_04.9C01.C3.o6.gp	Method	AAT/GAP
Start	8351	End	8859
GI	LIB3477-004-P1-K1-A11	Score	793
Exons	8351..8648, 8740..8859		
GI Descrip.	'4510395/gb|AAD21482.1| 1.0e-65 (AC006587) putative beta-galactosidase precursor [Arabidopsis thaliana]'		

Seq. No.	12779	Seq. ID	OJ990930_04.9C01.C3
Gene No.	27023	Strand	-
Start	15874	End	16322
Name	OJ990930_04.9C01.C3.o5.tw	Method	TBLASTX:Wheat
Start	483	End	1061
GI	none	Score	51
Exons	483..530, 612..779, 615..779, 626..787, 927..1061		

Seq. No.	12779	Seq. ID	OJ990930_04.9C01.C3
Gene No.	27023	Strand	-
Start	15874	End	16322
Name	OJ990930_04.9C01.C3.o3.tm	Method	TBLASTX:Maize
Start	615	End	1079
GI	none	Score	665
Exons	615..1079, 623..1078		

Seq. No.	12779	Seq. ID	OJ990930_04.9C01.C3
Gene No.	27023	Strand	-
Start	15874	End	16322
Name	OJ990930_04.9C01.C3.o3.ts	Method	TBLASTX:Soybean
Start	1065	End	1754
GI	none	Score	84
Exons	1065..1136, 1158..1415, 1161..1412, 1473..1622, 1523..1627, 1653..1754		

Seq. No.	12779	Seq. ID	OJ990930_04.9C01.C3
Gene No.	27023	Strand	-
Start	15874	End	16322
Name	OJ990930_04.9C01.C3.o5.tm	Method	TBLASTX:Maize
Start	1158	End	1742
GI	none	Score	382
Exons	1158..1742, 1160..1702		

Seq. No.	12779	Seq. ID	OJ990930_04.9C01.C3
Gene No.	27023	Strand	-
Start	15874	End	16322
Name	OJ990930_04.9C01.C3.o4.tw	Method	TBLASTX:Wheat
Start	1242	End	1640
GI	none	Score	139
Exons	1242..1439, 1428..1640		

Seq. No.	12779	Seq. ID	OJ990930_04.9C01.C3
Gene No.	27023	Strand	-
Start	15874	End	16322
Name	OJ990930_04.9C01.C3.o2.tw	Method	TBLASTX:Wheat
Start	1653	End	2048
GI	none	Score	357
Exons	1653..2048, 1655..2047		

Seq. No.	12779	Seq. ID	OJ990930_04.9C01.C3
Gene No.	27023	Strand	-
Start	15874	End	16322
Name	OJ990930_04.9C01.C3.o6.tm	Method	TBLASTX:Maize
Start	1748	End	2057
GI	none	Score	276
Exons	1748..1906, 1800..2057, 1900..2052		

Seq. No.	12779	Seq. ID	OJ990930_04.9C01.C3
Gene No.	27023	Strand	-
Start	15874	End	16322
Name	OJ990930_04.9C01.C3.o4.tm	Method	TBLASTX:Maize
Start	2058	End	2867
GI	none	Score	84
Exons	2058..2129, 2069..2122, 2118..2483, 2127..2486, 2140..2487, 2562..2651, 2634..2699, 2658..2747, 2685..2792, 2730..2792,		

2733..2840, 2778..2867

Seq. No.	12779	Seq. ID	OJ990930_04.9C01.C3
Gene No.	27023	Strand	-
Start	15874	End	16322
Name	OJ990930_04.9C01.C3.o1.tm	Method	TBLASTX:Maize
Start	4327	End	7909
GI	none	Score	34
Exons	4327..4422, 4442..4507, 4479..4505, 4580..4699, 4581..4697, 4775..4948, 4776..4922, 4935..5036, 4940..5047, 4946..5047, 4947..5060, 5051..5110, 5053..5109, 5060..5128, 5375..5566, 5405..5620, 5406..5621, 5407..5634, 5766..5906, 5791..5907, 5796..5906, 6050..6160, 6052..6162, 6053..6160, 6057..6161, 6058..6162, 6260..6373, 6261..6371, 6262..6378, 6262..6378, 6485..6607, 6497..6607, 6516..6608, 6701..6961, 6707..6862, 6717..6944, 6727..6945, 7048..7191, 7051..7185, 7055..7192, 7408..7521, 7410..7523, 7410..7526, 7411..7524, 7813..7902, 7816..7902, 7847..7909		

Seq. No.	12779	Seq. ID	OJ990930_04.9C01.C3
Gene No.	27023	Strand	-
Start	15874	End	16322
Name	OJ990930_04.9C01.C3.o1.tw	Method	TBLASTX:Wheat
Start	4580	End	4999
GI	none	Score	163
Exons	4580..4699, 4581..4697, 4775..4948, 4776..4922, 4804..4941, 4940..4999, 4947..4997		

Seq. No.	12779	Seq. ID	OJ990930_04.9C01.C3
Gene No.	27023	Strand	-
Start	15874	End	16322
Name	OJ990930_04.9C01.C3.o2.ts	Method	TBLASTX:Soybean
Start	4589	End	6833
GI	none	Score	87
Exons	4589..4699, 4602..4697, 4775..4900, 4775..5047, 4782..5048, 4970..5074, 5050..5109, 5405..5620, 5405..5566, 5407..5634, 5790..5864, 5862..5906, 6050..6085, 6098..6163, 6099..6164, 6264..6323, 6265..6372, 6473..6571, 6726..6833, 6731..6829		

Seq. No.	12779	Seq. ID	OJ990930_04.9C01.C3
Gene No.	27023	Strand	-
Start	15874	End	16322
Name	OJ990930_04.9C01.C3.o2.tc	Method	TBLASTX:Cress
Start	4592	End	5622
GI	none	Score	90
Exons	4592..4660, 4643..4693, 4778..4888, 4809..4895, 4970..5050, 4971..5054, 5047..5109, 5054..5110, 5405..5491, 5413..5493, 5499..5594, 5515..5622, 5525..5608		

Seq. No.	12779	Seq. ID	OJ990930_04.9C01.C3
Gene No.	27023	Strand	-
Start	15874	End	16322
Name	OJ990930_04.9C01.C3.o1.tc	Method	TBLASTX:Cress
Start	6716	End	9752
GI	none	Score	69
Exons	6716..6808, 6717..6833, 7042..7185, 7054..7179, 7410..7529, 7423..7530, 7813..7902, 7847..7903, 8032..8226, 8054..8227,		

8334..8648, 8339..8647, 8739..8855, 8740..8853, 9415..9513, 9657..9752

Seq. No.	12779	Seq. ID	OJ990930_04.9C01.C3
Gene No.	27023	Strand	-
Start	15874	End	16322
Name	OJ990930_04.9C01.C3.o4.ts	Method	TBLASTX:Soybean
Start	7048	End	7192
GI	none	Score	142
Exons	7048..7191, 7052..7192		

Seq. No.	12779	Seq. ID	OJ990930_04.9C01.C3
Gene No.	27023	Strand	-
Start	15874	End	16322
Name	OJ990930_04.9C01.C3.o1.ts	Method	TBLASTX:Soybean
Start	7407	End	9752
GI	none	Score	100
Exons	7407..7529, 7408..7530, 7813..7902, 7847..7903, 8032..8226, 8033..8227, 8342..8647, 8346..8648, 8739..8855, 8740..8856, 9415..9513, 9416..9511, 9657..9752		

Seq. No.	12779	Seq. ID	OJ990930_04.9C01.C3
Gene No.	27023	Strand	-
Start	15874	End	16322
Name	OJ990930_04.9C01.C3.o2.tm	Method	TBLASTX:Maize
Start	8032	End	9750
GI	none	Score	183
Exons	8032..8226, 8033..8227, 8339..8647, 8340..8648, 8739..8855, 8745..8855, 9415..9513, 9416..9511, 9430..9516, 9642..9749, 9661..9750		

Seq. No.	12779	Seq. ID	OJ990930_04.9C01.C3
Gene No.	27023	Strand	-
Start	15874	End	16322
Name	OJ990930_04.9C01.C3.o7.gp	Method	AAT/GAP
Start	15874	End	16310
GI	2355_1.R1084	Score	821
Exons	15874..16310		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	12779	Seq. ID	OJ990930_04.9C01.C3
Gene No.	27023	Strand	-
Start	15874	End	16322
Name	OJ990930_04.9C01.C3.o7.tm	Method	TBLASTX:Maize
Start	16141	End	16310
GI	none	Score	140
Exons	16141..16287, 16141..16266, 16146..16310, 16154..16282		

Seq. No.	12779	Seq. ID	OJ990930_04.9C01.C3
Gene No.	27023	Strand	-
Start	15874	End	16322
Name	OJ990930_04.9C01.C3.o3.tw	Method	TBLASTX:Wheat
Start	16153	End	16322
GI	none	Score	226
Exons	16153..16266, 16161..16322, 16164..16310, 16166..16318		

Seq. No.	12780	Seq. ID	OJ990930_04.9C01.C4
Gene No.	27024	Strand	+
Start	270	End	509
Name	OJ990930_04.9C01.C4.o1.gs	Method	GENSCAN
Start	270	End	509
GI	none	Score	.72
Exons	270..392, 438..509		

Seq. No.	12780	Seq. ID	OJ990930_04.9C01.C4
Gene No.	27025	Strand	+
Start	1241	End	1360
Name	OJ990930_04.9C01.C4.o1.gp	Method	AAT/GAP
Start	1241	End	1360
GI	2355_1.R1084	Score	197
Exons	1241..1360		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	12780	Seq. ID	OJ990930_04.9C01.C4
Gene No.	27026	Strand	+
Start	3762	End	5322
Name	OJ990930_04.9C01.C4.o3.gp	Method	AAT/GAP
Start	3762	End	5322
GI	none	Score	826
Exons	3762..4068, 5182..5322		

Seq. No.	12780	Seq. ID	OJ990930_04.9C01.C4
Gene No.	27027	Strand	+
Start	5279	End	6430
Name	OJ990930_04.9C01.C4.o3.np	Method	AAT/NAP
Start	5279	End	6430
GI	6041845	Score	263
Exons	5279..5339, 5832..6430		
GI Descrip.	(AC009853) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12780	Seq. ID	OJ990930_04.9C01.C4
Gene No.	27028	Strand	-
Start	1186	End	4119
Name	OJ990930_04.9C01.C4.o2.gs	Method	GENSCAN
Start	1186	End	4119
GI	none	Score	.54
Exons	1186..1212, 1331..1698, 2333..2449, 2932..3223, 3814..4021, 4061..4119		

Seq. No.	12780	Seq. ID	OJ990930_04.9C01.C4
Gene No.	27028	Strand	-
Start	1186	End	4119
Name	OJ990930_04.9C01.C4.o1.np	Method	AAT/NAP
Start	1224	End	2282
GI	6562266	Score	492
Exons	1224..1706, 2144..2282		
GI Descrip.	(AL132980) putative protein [Arabidopsis thaliana]		

Seq. No.	12780	Seq. ID	OJ990930_04.9C01.C4
Gene No.	27028	Strand	-
Start	1186	End	4119
Name	OJ990930_04.9C01.C4.o1.tm	Method	TBLASTX:Maize

Start	1238	End	1550
GI	none	Score	431
Exons	1238..1549, 1245..1550		

Seq. No.	12780	Seq. ID	OJ990930_04.9C01.C4
Gene No.	27028	Strand	-
Start	1186	End	4119
Name	OJ990930_04.9C01.C4.o1.tw	Method	TBLASTX:Wheat
Start	1243	End	1492
GI	none	Score	111
Exons	1243..1338, 1250..1483, 1253..1492		

Seq. No.	12780	Seq. ID	OJ990930_04.9C01.C4
Gene No.	27028	Strand	-
Start	1186	End	4119
Name	OJ990930_04.9C01.C4.o1.ts	Method	TBLASTX:Soybean
Start	1253	End	1701
GI	none	Score	113
Exons	1253..1438, 1254..1439, 1418..1699, 1430..1696, 1437..1700, 1468..1701		

Seq. No.	12780	Seq. ID	OJ990930_04.9C01.C4
Gene No.	27028	Strand	-
Start	1186	End	4119
Name	OJ990930_04.9C01.C4.o2.gp	Method	AAT/GAP
Start	1493	End	3125
GI	9214_2.R1084	Score	1180
Exons	1493..1698, 2136..2236, 2333..2527, 2975..3125		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 2.0e-12 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	12780	Seq. ID	OJ990930_04.9C01.C4
Gene No.	27028	Strand	-
Start	1186	End	4119
Name	OJ990930_04.9C01.C4.o3.tm	Method	TBLASTX:Maize
Start	1551	End	2215
GI	none	Score	192
Exons	1551..1706, 1553..1696, 2137..2214, 2138..2215		

Seq. No.	12780	Seq. ID	OJ990930_04.9C01.C4
Gene No.	27029	Strand	
Start	5435	End	6226
Name	OJ990930_04.9C01.C4.o1.tc	Method	TBLASTX:Cress
Start	5435	End	6226
GI	none	Score	88
Exons	5435..5563, 5690..5797, 5711..5806, 5891..6052, 6098..6226, 6109..6225		

Seq. No.	12780	Seq. ID	OJ990930_04.9C01.C4
Gene No.	27030	Strand	
Start	6295	End	6515
Name	OJ990930_04.9C01.C4.o2.tm	Method	TBLASTX:Maize
Start	6295	End	6515
GI	none	Score	279
Exons	6295..6510, 6296..6508, 6450..6515		

Seq. No.	12781	Seq. ID	OJ990930_04.9C01.C5

Gene No.	27031	Strand	-
Start	1	End	1516
Name	OJ990930_04.9C01.C5.o1.np	Method	AAT/NAP
Start	1	End	1516
GI	3287682	Score	146
Exons	1..331, 764..981, 1210..1335, 1439..1516		
GI Descrip.	(AC003979) Strong similarity to gb|M97657 poly(A)-binding protein (PABP5) from A. thaliana. [Arabidopsis thaliana]		

Seq. No.	12781	Seq. ID	OJ990930_04.9C01.C5
Gene No.	27031	Strand	-
Start	1	End	1516
Name	OJ990930_04.9C01.C5.o1.gs	Method	GENSCAN
Start	118	End	1326
GI	none	Score	.88
Exons	118..336, 1246..1326		

Seq. No.	12782	Seq. ID	OJ990930_04.9C01.C6
Gene No.	27032	Strand	-
Start	929	End	1505
Name	OJ990930_04.9C01.C6.o1.gp	Method	AAT/GAP
Start	929	End	1072
GI	12826_1.R1084	Score	229
Exons	929..1072		
GI Descrip.	'3043612/dbj|BAA25470| 1.0e-17 (AB011116) KIAA0544 protein [Homo sapiens]'		

Seq. No.	12782	Seq. ID	OJ990930_04.9C01.C6
Gene No.	27032	Strand	-
Start	929	End	1505
Name	OJ990930_04.9C01.C6.o1.gs	Method	GENSCAN
Start	948	End	1445
GI	none	Score	.69
Exons	948..1445		

Seq. No.	12782	Seq. ID	OJ990930_04.9C01.C6
Gene No.	27032	Strand	-
Start	929	End	1505
Name	OJ990930_04.9C01.C6.o1.np	Method	AAT/NAP
Start	948	End	1505
GI	6681341	Score	274
Exons	948..1164, 1216..1505		
GI Descrip.	(AC015985) putative RING zinc finger protein [Arabidopsis thaliana] gi|6682260|gb|AAF23312.1|AC016661_37 (AC016661) unknown protein [Arabidopsis thaliana]		

Seq. No.	12782	Seq. ID	OJ990930_04.9C01.C6
Gene No.	27032	Strand	-
Start	929	End	1505
Name	OJ990930_04.9C01.C6.o1.tm	Method	TBLASTX:Maize
Start	968	End	1111
GI	none	Score	198
Exons	968..1111, 970..1095		

Seq. No.	12782	Seq. ID	OJ990930_04.9C01.C6
Gene No.	27032	Strand	-
Start	929	End	1505

Name	OJ990930_04.9C01.C6.o1.ts	Method	TBLASTX:Soybean
Start	968	End	1252
GI	none	Score	155
Exons	968..1087, 970..1101, 971..1102, 1199..1252		

Seq. No.	12782	Seq. ID	OJ990930_04.9C01.C6
Gene No.	27032	Strand	-
Start	929	End	1505
Name	OJ990930_04.9C01.C6.o1.tc	Method	TBLASTX:Cress
Start	970	End	1110
GI	none	Score	153
Exons	970..1110, 971..1093		

Seq. No.	12782	Seq. ID	OJ990930_04.9C01.C6
Gene No.	27032	Strand	-
Start	929	End	1505
Name	OJ990930_04.9C01.C6.o1.tw	Method	TBLASTX:Wheat
Start	1005	End	1310
GI	none	Score	88
Exons	1005..1082, 1006..1119, 1007..1117, 1010..1132, 1210..1230, 1211..1258, 1272..1310, 1277..1309		

Seq. No.	12783	Seq. ID	OJ990930_04.9C01.C7
Gene No.	27033	Strand	+
Start	1	End	472
Name	OJ990930_04.9C01.C7.o1.gp	Method	AAT/GAP
Start	1	End	449
GI	12826_1.R1084	Score	886
Exons	1..449		
GI Descrip.	'3043612/dbj|BAA25470| 1.0e-17 (AB011116) KIAA0544 protein [Homo sapiens]'		

Seq. No.	12783	Seq. ID	OJ990930_04.9C01.C7
Gene No.	27033	Strand	+
Start	1	End	472
Name	OJ990930_04.9C01.C7.o1.ts	Method	TBLASTX:Soybean
Start	1	End	472
GI	none	Score	127
Exons	1..186, 4..183, 8..193, 23..193, 203..283, 275..472, 277..462		

Seq. No.	12783	Seq. ID	OJ990930_04.9C01.C7
Gene No.	27033	Strand	+
Start	1	End	472
Name	OJ990930_04.9C01.C7.o1.np	Method	AAT/NAP
Start	1	End	472
GI	6681341	Score	477
Exons	1..472		
GI Descrip.	(AC015985) putative RING zinc finger protein [Arabidopsis thaliana] gi|6682260|gb|AAF23312.1|AC016661_37 (AC016661) unknown protein [Arabidopsis thaliana]		

Seq. No.	12783	Seq. ID	OJ990930_04.9C01.C7
Gene No.	27033	Strand	+
Start	1	End	472
Name	OJ990930_04.9C01.C7.o1.tm	Method	TBLASTX:Maize
Start	35	End	472
GI	none	Score	690

Exons	35..472, 37..471		
Seq. No.	12783	Seq. ID	OJ990930_04.9C01.C7
Gene No.	27033	Strand	+
Start	1	End	472
Name	OJ990930_04.9C01.C7.o1.tw	Method	TBLASTX:Wheat
Start	46	End	413
GI	none	Score	557
Exons	46..411, 47..412, 60..413		
Seq. No.	12783	Seq. ID	OJ990930_04.9C01.C7
Gene No.	27033	Strand	+
Start	1	End	472
Name	OJ990930_04.9C01.C7.o1.tc	Method	TBLASTX:Cress
Start	152	End	472
GI	none	Score	50
Exons	152..187, 215..415, 266..394, 277..414, 376..429, 392..430, 410..472, 427..471, 431..472		
Seq. No.	12783	Seq. ID	OJ990930_04.9C01.C7
Gene No.	27033	Strand	+
Start	1	End	472
Name	OJ990930_04.9C01.C7.o1.gs	Method	GENSCAN
Start	155	End	472
GI	none	Score	.65
Exons	155..472		
Seq. No.	12784	Seq. ID	OJ990930_04.9C01.C8
Gene No.	27034	Strand	+
Start	1	End	3671
Name	OJ990930_04.9C01.C8.o1.gp	Method	AAT/GAP
Start	1	End	343
GI	none	Score	656
Exons	1..343		
Seq. No.	12784	Seq. ID	OJ990930_04.9C01.C8
Gene No.	27034	Strand	+
Start	1	End	3671
Name	OJ990930_04.9C01.C8.o1.np	Method	AAT/NAP
Start	225	End	3661
GI	2492952	Score	978
Exons	225..254, 1576..1730, 1888..1964, 2069..2127, 2308..2391, 2548..2640, 2842..2922, 3011..3142, 3356..3458, 3567..3661		
GI Descrip.	CHORISMATE SYNTHASE 1 PRECURSOR (5-ENOLPYRUVYLSHIKIMATE-3-PHOSPHATE PHOSPHOLYASE 1) gi|542026|pir||S40410 chorismate synthase (EC 4.6.1.4) 1 precursor - tomato gi|410482|emb|CAA79859| (Z21796) chorismate synthase 1 [Lycopersicon esculentum]		
Seq. No.	12784	Seq. ID	OJ990930_04.9C01.C8
Gene No.	27034	Strand	+
Start	1	End	3671
Name	OJ990930_04.9C01.C8.o2.gp	Method	AAT/GAP
Start	882	End	2616
GI	16622_3.R1084	Score	1104
Exons	882..1067, 1580..1730, 1888..1964, 2069..2127, 2308..2393, 2549..2616		

GI Descrip. '2492953/sp|Q42885|ARC2_LYCES 5.0e-34 CHORISMATE SYNTHASE 2 PRECURSOR (5-ENOLPYRUVYLSHIKIMATE-3-PHOSPHATE PHOSPHOLYASE 2) >gi_542027_pir__S40409 chorismate synthase (EC 4.6.1.4) 2 precursor - tomato >gi_410484_emb_CAA79854_ (Z21791) chorismate synthase 2 [Lycopersicon esculentum]'

Seq. No.	12784	Seq. ID	OJ990930_04.9C01.C8
Gene No.	27034	Strand	+
Start	1	End	3671
Name	OJ990930_04.9C01.C8.o1:tm	Method	TBLASTX:Maize
Start	893	End	3663
GI	none	Score	72
Exons	893..964, 962..1060, 1554..1628, 1578..1724, 1579..1731, 1579..1725, 1659..1730, 1881..1961, 1885..1962, 1885..1968, 1886..1975, 2046..2129, 2056..2127, 2307..2390, 2308..2391, 2309..2395, 2546..2635, 2547..2636, 2547..2639, 2548..2658, 2584..2640, 2834..2920, 2836..2925, 2839..2922, 2984..3142, 3010..3141, 3013..3156, 3322..3462, 3356..3460, 3393..3473, 3558..3662, 3566..3655, 3568..3663		

Seq. No.	12784	Seq. ID	OJ990930_04.9C01.C8
Gene No.	27034	Strand	+
Start	1	End	3671
Name	OJ990930_04.9C01.C8.o1.gs	Method	GENSCAN
Start	932	End	3653
GI	none	Score	.83
Exons	932..1067, 1580..1730, 1888..1964, 2069..2127, 2308..2391, 2842..2922, 3011..3142, 3356..3458, 3567..3653		

Seq. No.	12784	Seq. ID	OJ990930_04.9C01.C8
Gene No.	27034	Strand	+
Start	1	End	3671
Name	OJ990930_04.9C01.C8.o1.ts	Method	TBLASTX:Soybean
Start	1548	End	3671
GI	none	Score	100
Exons	1548..1712, 1573..1731, 1605..1730, 1609..1731, 1885..1968, 1886..1975, 2055..2123, 2056..2124, 2304..2387, 2308..2391, 2547..2636, 2547..2639, 2548..2658, 2791..2925, 2824..2931, 2972..3124, 3000..3125, 3008..3142, 3010..3141, 3322..3465, 3356..3460, 3552..3671, 3566..3655		

Seq. No.	12784	Seq. ID	OJ990930_04.9C01.C8
Gene No.	27034	Strand	+
Start	1	End	3671
Name	OJ990930_04.9C01.C8.o2.tc	Method	TBLASTX:Cress
Start	1579	End	1924
GI	none	Score	202
Exons	1579..1731, 1605..1730, 1606..1731, 1886..1924		

Seq. No.	12784	Seq. ID	OJ990930_04.9C01.C8
Gene No.	27034	Strand	+
Start	1	End	3671
Name	OJ990930_04.9C01.C8.o1.tc	Method	TBLASTX:Cress
Start	2547	End	3142
GI	none	Score	69
Exons	2547..2621, 2548..2589, 2815..2925, 2860..2922, 3008..3142, 3010..3141		

Seq. No.	12784	Seq. ID	OJ990930_04.9C01.C8
Gene No.	27034	Strand	+
Start	1	End	3671
Name	OJ990930_04.9C01.C8.o1.tw	Method	TBLASTX:Wheat
Start	3331	End	3668
GI	none	Score	163
Exons	3331..3462, 3356..3460, 3396..3464, 3552..3668, 3564..3650, 3566..3652		

Seq. No.	12785	Seq. ID	OJ990930_04.9C01.C9
Gene No.	27035	Strand	+
Start	224	End	515
Name	OJ990930_04.9C01.C9.o1.np	Method	AAT/NAP
Start	224	End	359
GI	2492953	Score	101
Exons	224..359		
GI Descrip.	CHORISMATE SYNTHASE 2 PRECURSOR (5-ENOLPYRUVYLSHIKIMATE-3-PHOSPHATE PHOSPHOLYASE 2) gi|542027|pir||S40409 chorismate synthase (EC 4.6.1.4) 2 precursor - tomato gi|410484|emb|CAA79854| (Z21791) chorismate synthase 2 [Lycopersicon esculentum]		

Seq. No.	12785	Seq. ID	OJ990930_04.9C01.C9
Gene No.	27035	Strand	+
Start	224	End	515
Name	OJ990930_04.9C01.C9.o1.tm	Method	TBLASTX:Maize
Start	224	End	450
GI	none	Score	157
Exons	224..382, 224..382, 225..383, 286..450		

Seq. No.	12785	Seq. ID	OJ990930_04.9C01.C9
Gene No.	27035	Strand	+
Start	224	End	515
Name	OJ990930_04.9C01.C9.o1.gs	Method	GENSCAN
Start	226	End	380
GI	none	Score	.84
Exons	226..380		

Seq. No.	12785	Seq. ID	OJ990930_04.9C01.C9
Gene No.	27035	Strand	+
Start	224	End	515
Name	OJ990930_04.9C01.C9.o1.gp	Method	AAT/GAP
Start	261	End	515
GI	2796932	Score	427
Exons	261..515		

Seq. No.	12786	Seq. ID	OJ990930_04.9C01.C10
Gene No.	27036	Strand	+
Start	250	End	8124
Name	OJ990930_04.9C01.C10.o2.tc	Method	TBLASTX:Cress
Start	234	End	1060
GI	none	Score	133
Exons	234..329, 238..330, 424..606, 425..607, 428..610, 677..805, 687..833, 696..812, 917..1060, 936..1055		

Seq. No.	12786	Seq. ID	OJ990930_04.9C01.C10

Gene No.	27036	Strand	+
Start	250	End	8124
Name	OJ990930_04.9C01.C10.o1.ts	Method	TBLASTX:Soybean
Start	249	End	4387
GI	none	Score	131
Exons	249..323, 250..330, 287..328, 424..606, 425..607, 428..616, 486..617, 677..832, 687..833, 922..1053, 923..1081, 936..1094, 936..1094, 1779..1955, 1783..1956, 1784..1960, 2051..2077, 2077..2118, 2080..2136, 2081..2137, 2131..2166, 2132..2167, 2273..2305, 2274..2306, 2309..2374, 2310..2375, 2354..2389, 2518..2580, 2581..2673, 2611..2673, 2755..2871, 2757..2867, 2761..2880, 2763..2873, 2952..3035, 2963..3034, 2964..3035, 2965..3036, 3094..3174, 3095..3190, 3101..3196, 3313..3411, 3314..3412, 3315..3413, 3496..3594, 3498..3602, 3499..3594, 3648..3809, 3676..3810, 3680..3802, 3681..3812, 3704..3814, 3885..4139, 3898..4140, 4240..4377, 4241..4387		

Seq. No.	12786	Seq. ID	OJ990930_04.9C01.C10
Gene No.	27036	Strand	+
Start	250	End	8124
Name	OJ990930_04.9C01.C10.o1.gs	Method	GENSCAN
Start	250	End	8010
GI	none	Score	.92
Exons	250..329, 427..606, 695..808, 938..1096, 1786..1963, 2048..2168, 2272..2387, 2521..2674, 2762..2871, 2965..3034, 3102..3175, 3315..3410, 3682..3809, 3900..4134, 4241..4405, 4482..4583, 4635..4835, 5241..5417, 6061..6171, 6304..6480, 6553..6681, 6950..7138, 7214..7380, 7937..8010		

Seq. No.	12786	Seq. ID	OJ990930_04.9C01.C10
Gene No.	27036	Strand	+
Start	250	End	8124
Name	OJ990930_04.9C01.C10.o1.np	Method	AAT/NAP
Start	250	End	8124
GI	6730738	Score	3670
Exons	250..329, 427..606, 695..808, 938..1096, 1786..1963, 2048..2162, 2269..2387, 2965..3034, 3102..3175, 3315..3410, 3499..3594, 3682..3809, 3900..4134, 4241..4415, 4555..4835, 6000..6171, 6304..6480, 6553..6681, 6772..6867, 6950..7138, 7214..7380, 7934..8124		
GI Descrip.	(AC018849) unknown protein [Arabidopsis thaliana]		

Seq. No.	12786	Seq. ID	OJ990930_04.9C01.C10
Gene No.	27036	Strand	+
Start	250	End	8124
Name	OJ990930_04.9C01.C10.o2.tm	Method	TBLASTX:Maize
Start	966	End	2330
GI	none	Score	196
Exons	966..1094, 966..1094, 967..1104, 1762..1956, 1784..1960, 1784..1960, 2051..2092, 2053..2091, 2080..2166, 2087..2167, 2090..2185, 2270..2329, 2271..2330, 2286..2330		

Seq. No.	12786	Seq. ID	OJ990930_04.9C01.C10
Gene No.	27036	Strand	+
Start	250	End	8124
Name	OJ990930_04.9C01.C10.o5.tc	Method	TBLASTX:Cress
Start	1849	End	2360

GI	none	Score	162
Exons	1849..1959, 1850..1960, 1850..1966, 1981..2019, 2081..2104, 2104..2160, 2105..2164, 2283..2360		

Seq. No.	12786	Seq. ID	OJ990930_04.9C01.C10
Gene No.	27036	Strand	+
Start	250	End	8124
Name	OJ990930_04.9C01.C10.o1.tm	Method	TBLASTX:Maize
Start	2331	End	8123
GI	none	Score	98
Exons	2331..2390, 2333..2386, 2518..2673, 2523..2672, 2755..2871, 2757..2867, 2762..2872, 2763..2873, 2937..3035, 2964..3035, 2965..3036, 3094..3189, 3095..3190, 3101..3196, 3102..3197, 3313..3411, 3313..3411, 3314..3412, 3315..3413, 3496..3594, 3497..3592, 3498..3602, 3499..3594, 3676..3810, 3676..3810, 3681..3812, 3897..4139, 3898..4140, 4240..4404, 4241..4405, 4241..4405, 4541..4579, 4547..4579, 4679..4834, 4679..4834, 4689..4838, 5887..5943, 6058..6162, 6059..6151, 6060..6161, 6301..6378, 6303..6389, 6304..6387, 6337..6498, 6375..6497, 6525..6701, 6551..6682, 6594..6683, 6764..6862, 6764..6862, 6769..6870, 6771..6929, 6771..6863, 6948..7016, 6950..7033, 6952..7023, 7008..7136, 7024..7137, 7025..7138, 7025..7138, 7211..7378, 7211..7378, 7213..7380, 7924..8112, 7934..8107, 7935..8123		

Seq. No.	12786	Seq. ID	OJ990930_04.9C01.C10
Gene No.	27036	Strand	+
Start	250	End	8124
Name	OJ990930_04.9C01.C10.o6.tc	Method	TBLASTX:Cress
Start	2805	End	3187
GI	none	Score	74
Exons	2805..2846, 2806..2871, 2963..3022, 2964..3023, 2965..3036, 3095..3187, 3100..3156		

Seq. No.	12786	Seq. ID	OJ990930_04.9C01.C10
Gene No.	27036	Strand	+
Start	250	End	8124
Name	OJ990930_04.9C01.C10.o1.gp	Method	AAT/GAP
Start	2989	End	3806
GI	uC-osroM202030h03b1	Score	782
Exons	2989..3034, 3102..3175, 3315..3410, 3499..3594, 3682..3806		
GI Descrip.	'5732035/gb|AAD48936.1|AF160760_4 9.0e-58 (AF160760) contains similarity to Pfam family PF0040 - WD domain, G-beta repeat; score=10.8, E=3.2, N-2 [Arabidopsis thaliana]'		

Seq. No.	12786	Seq. ID	OJ990930_04.9C01.C10
Gene No.	27036	Strand	+
Start	250	End	8124
Name	OJ990930_04.9C01.C10.o4.tc	Method	TBLASTX:Cress
Start	3314	End	3734
GI	none	Score	152
Exons	3314..3412, 3321..3413, 3325..3420, 3498..3593, 3499..3594, 3676..3732, 3681..3734		

Seq. No.	12786	Seq. ID	OJ990930_04.9C01.C10
Gene No.	27036	Strand	+
Start	250	End	8124

Name	OJ990930_04.9C01.C10.o3.tc	Method	TBLASTX:Cress
Start	3735	End	4357
GI	none	Score	42
Exons	3735..3812, 3738..3803, 3739..3810, 3885..4130, 3885..4139, 3898..4140, 4203..4298, 4233..4289, 4238..4324, 4241..4324, 4307..4357		

Seq. No.	12786	Seq. ID	OJ990930_04.9C01.C10
Gene No.	27036	Strand	+
Start	250	End	8124
Name	OJ990930_04.9C01.C10.o2.ts	Method	TBLASTX:Soybean
Start	4691	End	8124
GI	none	Score	170
Exons	4691..4834, 4692..4838, 6052..6171, 6058..6186, 6060..6176, 6281..6373, 6303..6368, 6303..6389, 6304..6387, 6372..6479, 6375..6485, 6376..6498, 6552..6668, 6557..6682, 6595..6696, 6769..6870, 6771..6884, 6771..6863, 6949..7092, 6950..7093, 7094..7138, 7094..7138, 7211..7378, 7213..7368, 7934..8089, 7935..8120, 7966..8124		

Seq. No.	12786	Seq. ID	OJ990930_04.9C01.C10
Gene No.	27036	Strand	+
Start	250	End	8124
Name	OJ990930_04.9C01.C10.o1.tc	Method	TBLASTX:Cress
Start	6133	End	8123
GI	none	Score	63
Exons	6133..6171, 6313..6387, 6321..6389, 6375..6485, 6376..6498, 6552..6683, 6594..6683, 6595..6696, 6769..6846, 6771..6848, 6950..7138, 6955..7137, 7211..7387, 7213..7386, 7934..8107, 7935..8123		

Seq. No.	12786	Seq. ID	OJ990930_04.9C01.C10
Gene No.	27036	Strand	+
Start	250	End	8124
Name	OJ990930_04.9C01.C10.o2.gp	Method	AAT/GAP
Start	6548	End	8124
GI	9896_1.R1084	Score	1290
Exons	6548..6681, 6772..6867, 6950..7138, 7214..7380, 7937..8124		
GI Descrip.	'5922612/dbj|BAA84613.1| 2.0e-34 (AP000492) EST AU078118(E3904) corresponds to a region of the predicted gene.; similar to Arabidopsis thaliana BAC IG002P16; No definition line found. (AF007270) [Oryza sativa]'		

Seq. No.	12786	Seq. ID	OJ990930_04.9C01.C10
Gene No.	27036	Strand	+
Start	250	End	8124
Name	OJ990930_04.9C01.C10.o1.tw	Method	TBLASTX:Wheat
Start	6771	End	7126
GI	none	Score	123
Exons	6771..6866, 6772..6870, 6950..7027, 6952..7008, 7037..7126		

Seq. No.	12787	Seq. ID	OJ990930_04.9C01.C11
Gene No.	27037	Strand	-
Start	243	End	524
Name	OJ990930_04.9C01.C11.o1.gp	Method	AAT/GAP
Start	243	End	524
GI	none	Score	521

Exons	243..524		
Seq. No.	12787	Seq. ID	OJ990930_04.9C01.C11
Gene No.	27038	Strand	-
Start	2380	End	3190
Name	OJ990930_04.9C01.C11.o2.gs	Method	GENSCAN
Start	2380	End	3190
GI	none	Score	.84
Exons	2380..2402, 2875..2952, 3034..3190		
Seq. No.	12788	Seq. ID	OJ990930_04.9C01.C12
Gene No.	27039	Strand	-
Start	1151	End	1529
Name	OJ990930_04.9C01.C12.o1.gp	Method	AAT/GAP
Start	1151	End	1529
GI	4716752	Score	466
Exons	1151..1529		
Seq. No.	12789	Seq. ID	OJ990930_04.9C01.C13
Gene No.	27040	Strand	+
Start	781	End	3296
Name	OJ990930_04.9C01.C13.o1.gs	Method	GENSCAN
Start	781	End	3296
GI	none	Score	.48
Exons	781..906, 1034..1410, 3224..3296		
Seq. No.	12789	Seq. ID	OJ990930_04.9C01.C13
Gene No.	27041	Strand	-
Start	3952	End	4314
Name	OJ990930_04.9C01.C13.o2.gs	Method	GENSCAN
Start	3952	End	4314
GI	none	Score	.6
Exons	3952..4314		
Seq. No.	12790	Seq. ID	OJ990930_04.9C01.C14
Gene No.	27042	Strand	+
Start	266	End	547
Name	OJ990930_04.9C01.C14.o1.gs	Method	GENSCAN
Start	266	End	547
GI	none	Score	.83
Exons	266..547		
Seq. No.	12790	Seq. ID	OJ990930_04.9C01.C14
Gene No.	27043	Strand	-
Start	595	End	2247
Name	OJ990930_04.9C01.C14.o1.np	Method	AAT/NAP
Start	595	End	2247
GI	3402683	Score	424
Exons	595..619, 1613..1893, 1979..2247		
GI Descrip.	(AC004697) similar to latex allergen from Hevea brasiliensis [Arabidopsis thaliana]		
Seq. No.	12790	Seq. ID	OJ990930_04.9C01.C14
Gene No.	27043	Strand	-
Start	595	End	2247
Name	OJ990930_04.9C01.C14.o2.gs	Method	GENSCAN
Start	1597	End	2188

GI	none	Score	.94
Exons	1597..1893, 1979..2188		

Seq. No.	12790	Seq. ID	OJ990930_04.9C01.C14
Gene No.	27043	Strand	-
Start	595	End	2247
Name	OJ990930_04.9C01.C14.o1.ts	Method	TBLASTX:Soybean
Start	1646	End	2203
GI	none	Score	194
Exons	1646..1897, 1651..1896, 1973..2104, 1979..2020, 2165..2203		

Seq. No.	12790	Seq. ID	OJ990930_04.9C01.C14
Gene No.	27043	Strand	-
Start	595	End	2247
Name	OJ990930_04.9C01.C14.o1.tw	Method	TBLASTX:Wheat
Start	1720	End	2104
GI	none	Score	220
Exons	1720..1896, 1721..1906, 1850..1930, 1851..1949, 1964..2104, 1980..2102		

Seq. No.	12791	Seq. ID	OJ990930_04.9C01.C15
Gene No.	27044	Strand	-
Start	1	End	1584
Name	OJ990930_04.9C01.C15.o1.np	Method	AAT/NAP
Start	1	End	1584
GI	4678298	Score	503
Exons	1..570, 601..770, 1515..1584		
GI Descrip.	(AL049655) putative protein [Arabidopsis thaliana]		

Seq. No.	12791	Seq. ID	OJ990930_04.9C01.C15
Gene No.	27044	Strand	-
Start	1	End	1584
Name	OJ990930_04.9C01.C15.o1.ts	Method	TBLASTX:Soybean
Start	8	End	154
GI	4290069	Score	185
Exons	8..154		
GI Descrip.	3402683 7.0e-49 (AC004697) patatin-like protein [Arabidopsis thaliana]		

Seq. No.	12791	Seq. ID	OJ990930_04.9C01.C15
Gene No.	27044	Strand	-
Start	1	End	1584
Name	OJ990930_04.9C01.C15.o1.tm	Method	TBLASTX:Maize
Start	247	End	613
GI	none	Score	74
Exons	247..369, 252..356, 271..423, 272..403, 427..465, 444..464, 499..612, 503..613		

Seq. No.	12791	Seq. ID	OJ990930_04.9C01.C15
Gene No.	27044	Strand	-
Start	1	End	1584
Name	OJ990930_04.9C01.C15.o1.gp	Method	AAT/GAP
Start	762	End	1167
GI	2310664	Score	698
Exons	762..1167		

Seq. No.	12792	Seq. ID	OJ990930_04.9C01.C16

Gene No.	27045	Strand	+
Start	2311	End	3163
Name	OJ990930_04.9C01.C16.o1.gs	Method	GENSCAN
Start	2311	End	3163
GI	none	Score	.65
Exons	2311..2443, 2866..2948, 3110..3163		

Seq. No.	12793	Seq. ID	OJ990930_04.9C01.C17
Gene No.	27046	Strand	-
Start	334	End	4058
Name	OJ990930_04.9C01.C17.o1.np	Method	AAT/NAP
Start	334	End	4058
GI	5042454	Score	3208
Exons	334..977, 1511..3399, 3456..3567, 3914..4058		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	12793	Seq. ID	OJ990930_04.9C01.C17
Gene No.	27046	Strand	-
Start	334	End	4058
Name	OJ990930_04.9C01.C17.o2.tw	Method	TBLASTX:Wheat
Start	471	End	767
GI	none	Score	103
Exons	471..767, 474..707, 475..750		

Seq. No.	12793	Seq. ID	OJ990930_04.9C01.C17
Gene No.	27046	Strand	-
Start	334	End	4058
Name	OJ990930_04.9C01.C17.o2.tm	Method	TBLASTX:Maize
Start	1689	End	1832
GI	none	Score	126
Exons	1689..1832, 1693..1827		

Seq. No.	12793	Seq. ID	OJ990930_04.9C01.C17
Gene No.	27046	Strand	-
Start	334	End	4058
Name	OJ990930_04.9C01.C17.o2.gs	Method	GENSCAN
Start	1829	End	4000
GI	none	Score	.45
Exons	1829..2052, 2205..2466, 2533..3399, 3456..3513, 3593..3663, 3914..4000		

Seq. No.	12793	Seq. ID	OJ990930_04.9C01.C17
Gene No.	27046	Strand	-
Start	334	End	4058
Name	OJ990930_04.9C01.C17.o1.tw	Method	TBLASTX:Wheat
Start	2335	End	2887
GI	none	Score	97
Exons	2335..2592, 2369..2608, 2575..2673, 2576..2668, 2680..2727, 2852..2887		

Seq. No.	12793	Seq. ID	OJ990930_04.9C01.C17
Gene No.	27046	Strand	-
Start	334	End	4058
Name	OJ990930_04.9C01.C17.o1.tm	Method	TBLASTX:Maize
Start	2437	End	2722
GI	none	Score	88
Exons	2437..2685, 2438..2722		

Seq. No.	12794	Seq. ID	OJ990930_04.9C01.C18
Gene No.	27047	Strand	+
Start	178	End	594
Name	OJ990930_04.9C01.C18.o1.gs	Method	GENSCAN
Start	178	End	594
GI	none	Score	.62
Exons	178..297, 431..594		

Seq. No.	12795	Seq. ID	OJ990930_04.9C01.C19
Gene No.	27048	Strand	-
Start	1032	End	2706
Name	OJ990930_04.9C01.C19.o1.np	Method	AAT/NAP
Start	1032	End	2706
GI	2464913	Score	174
Exons	1032..1049, 2510..2706		
GI Descrip.	(Z99708) sugar transporter like protein [Arabidopsis thaliana]		

Seq. No.	12795	Seq. ID	OJ990930_04.9C01.C19
Gene No.	27048	Strand	-
Start	1032	End	2706
Name	OJ990930_04.9C01.C19.o1.ts	Method	TBLASTX:Soybean
Start	2524	End	2706
GI	none	Score	139
Exons	2524..2706, 2528..2704		

Seq. No.	12796	Seq. ID	OJ990930_04.9C01.C20
Gene No.	27049	Strand	-
Start	397	End	2294
Name	OJ990930_04.9C01.C20.o1.gs	Method	GENSCAN
Start	397	End	2247
GI	none	Score	.81
Exons	397..618, 1083..1244, 1357..1503, 1591..1723, 1855..2014, 2110..2247		

Seq. No.	12796	Seq. ID	OJ990930_04.9C01.C20
Gene No.	27049	Strand	-
Start	397	End	2294
Name	OJ990930_04.9C01.C20.o1.gp	Method	AAT/GAP
Start	914	End	2294
GI	91997_1.R1084	Score	1678
Exons	914..1244, 1357..1503, 1591..1723, 1855..2014, 2110..2294		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	12797	Seq. ID	OJ990930_04.9C01.C21
Gene No.	27050	Strand	+
Start	1	End	6787
Name	OJ990930_04.9C01.C21.o1.np	Method	AAT/NAP
Start	1	End	6787
GI	1076802	Score	137
Exons	1..33, 254..456, 562..603, 1822..2036, 4343..4534, 6409..6787		
GI Descrip.	extensin-like protein - maize gi|600118|emb|CAA84230| (Z34465) extensin-like protein [Zea mays] gi|1096557|prf||2111476A extensin-like domain [Zea mays]		

Seq. No.	12797	Seq. ID	OJ990930_04.9C01.C21

Gene No.	27050	Strand	+
Start	1	End	6787
Name	OJ990930_04.9C01.C21.o2.gp	Method	AAT/GAP
Start	2459	End	2545
GI	90742_1.R1084	Score	76
Exons	2459..2545		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 4.0e-29 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	12797	Seq. ID	OJ990930_04.9C01.C21
Gene No.	27050	Strand	+
Start	1	End	6787
Name	OJ990930_04.9C01.C21.o3.gs	Method	GENSCAN
Start	6562	End	6729
GI	none	Score	.43
Exons	6562..6729		

Seq. No.	12797	Seq. ID	OJ990930_04.9C01.C21
Gene No.	27051	Strand	-
Start	296	End	438
Name	OJ990930_04.9C01.C21.o1.gp	Method	AAT/GAP
Start	296	End	438
GI	91997_1.R1084	Score	261
Exons	296..438		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	12798	Seq. ID	OJ990930_04.9C01.C22
Gene No.	27052	Strand	+
Start	60	End	3206
Name	OJ990930_04.9C01.C22.o1.gs	Method	GENSCAN
Start	60	End	3065
GI	none	Score	.94
Exons	60..701, 1335..3065		

Seq. No.	12798	Seq. ID	OJ990930_04.9C01.C22
Gene No.	27052	Strand	+
Start	60	End	3206
Name	OJ990930_04.9C01.C22.o2.tm	Method	TBLASTX:Maize
Start	285	End	704
GI	none	Score	595
Exons	285..704, 287..703		

Seq. No.	12798	Seq. ID	OJ990930_04.9C01.C22
Gene No.	27052	Strand	+
Start	60	End	3206
Name	OJ990930_04.9C01.C22.o1.tc	Method	TBLASTX:Cress
Start	390	End	3017
GI	none	Score	108
Exons	390..506, 534..638, 1314..1445, 1490..1606, 1491..1658, 2601..2765, 2886..3017		

Seq. No.	12798	Seq. ID	OJ990930_04.9C01.C22
Gene No.	27052	Strand	+
Start	60	End	3206
Name	OJ990930_04.9C01.C22.o1.tm	Method	TBLASTX:Maize
Start	1733	End	2633

GI	none	Score	201
Exons	1733..1813, 1734..1856, 1947..2441, 1947..2261, 2192..2494, 2441..2632, 2442..2633		

Seq. No.	12798	Seq. ID	OJ990930_04.9C01.C22
Gene No.	27052	Strand	+
Start	60	End	3206
Name	OJ990930_04.9C01.C22.o2.np	Method	AAT/NAP
Start	2046	End	2283
GI	3142291	Score	42
Exons	2046..2283		
GI Descrip.	(AC002411) Contains similarity to adenylate cyclase gb|AF012921 from Magnaporthe grisae. EST gb|Z24512 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	12798	Seq. ID	OJ990930_04.9C01.C22
Gene No.	27052	Strand	+
Start	60	End	3206
Name	OJ990930_04.9C01.C22.o1.gp	Method	AAT/GAP
Start	2771	End	3206
GI	7139_1.R1084	Score	810
Exons	2771..3206		
GI Descrip.	'4726079/gb|AAD28303.1|AF143940_1 3.0e-39 (AF143940) SWI2/SNF2-like protein [Arabidopsis thaliana]'		

Seq. No.	12799	Seq. ID	OJ990930_04.9C01.C23
Gene No.	27053	Strand	+
Start	421	End	619
Name	OJ990930_04.9C01.C23.o1.gs	Method	GENSCAN
Start	421	End	619
GI	none	Score	.41
Exons	421..619		

Seq. No.	12800	Seq. ID	OJ990930_04.9C01.C25
Gene No.	27054	Strand	+
Start	72	End	307
Name	OJ990930_04.9C01.C25.o1.gs	Method	GENSCAN
Start	72	End	307
GI	none	Score	.45
Exons	72..188, 254..307		

Seq. No.	12801	Seq. ID	OJ990930_04.9C01.C26
Gene No.	27055	Strand	-
Start	1	End	82
Name	OJ990930_04.9C01.C26.o1.gp	Method	AAT/GAP
Start	1	End	82
GI	LIB3432-048-P2-K1-G7	Score	133
Exons	1..82		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	12802	Seq. ID	OJ990930_04.9C01.C27
Gene No.	27056	Strand	-
Start	416	End	500
Name	OJ990930_04.9C01.C27.o1.gs	Method	GENSCAN
Start	416	End	500
GI	none	Score	.62

Exons	416..500		
Seq. No.	12803	Seq. ID	OJ990910_06.9C03.C1
Gene No.	27057	Strand	+
Start	1571	End	1839
Name	OJ990910_06.9C03.C1.o1.gs	Method	GENSCAN
Start	1571	End	1839
GI	none	Score	.91
Exons	1571..1672, 1765..1839		
Seq. No.	12803	Seq. ID	OJ990910_06.9C03.C1
Gene No.	27058	Strand	-
Start	6188	End	9448
Name	OJ990910_06.9C03.C1.o2.gs	Method	GENSCAN
Start	6188	End	9448
GI	none	Score	.53
Exons	6188..6953, 7052..7588, 7617..8923, 9050..9448		
Seq. No.	12803	Seq. ID	OJ990910_06.9C03.C1
Gene No.	27058	Strand	-
Start	6188	End	9448
Name	OJ990910_06.9C03.C1.o1.np	Method	AAT/NAP
Start	6222	End	9448
GI	4680179	Score	5251
Exons	6222..9448		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	12803	Seq. ID	OJ990910_06.9C03.C1
Gene No.	27059	Strand	-
Start	9702	End	12020
Name	OJ990910_06.9C03.C1.o1.tw	Method	TBLASTX:Wheat
Start	6383	End	6892
GI	none	Score	333
Exons	6383..6892, 6474..6860		
Seq. No.	12803	Seq. ID	OJ990910_06.9C03.C1
Gene No.	27059	Strand	-
Start	9702	End	12020
Name	OJ990910_06.9C03.C1.o1.tm	Method	TBLASTX:Maize
Start	6462	End	6820
GI	none	Score	244
Exons	6462..6800, 6467..6820, 6474..6818		
Seq. No.	12803	Seq. ID	OJ990910_06.9C03.C1
Gene No.	27059	Strand	-
Start	9702	End	12020
Name	OJ990910_06.9C03.C1.o2.ts	Method	TBLASTX:Soybean
Start	6641	End	6886
GI	none	Score	202
Exons	6641..6886		
Seq. No.	12803	Seq. ID	OJ990910_06.9C03.C1
Gene No.	27059	Strand	-
Start	9702	End	12020
Name	OJ990910_06.9C03.C1.o5.tw	Method	TBLASTX:Wheat
Start	6893	End	7194
GI	none	Score	111

Exons	6893..7021, 6894..7013, 6991..7194, 7022..7156, 7113..7193		
Seq. No.	12803	Seq. ID	OJ990910_06.9C03.C1
Gene No.	27059	Strand	-
Start	9702	End	12020
Name	OJ990910_06.9C03.C1.o3.tm	Method	TBLASTX:Maize
Start	6902	End	7189
GI	none	Score	103
Exons	6902..7006, 6997..7188, 7022..7189		
Seq. No.	12803	Seq. ID	OJ990910_06.9C03.C1
Gene No.	27059	Strand	-
Start	9702	End	12020
Name	OJ990910_06.9C03.C1.o1.ts	Method	TBLASTX:Soybean
Start	6908	End	7302
GI	none	Score	69
Exons	6908..7024, 6909..7010, 6991..7266, 7046..7150, 7186..7266, 7270..7302, 7271..7300		
Seq. No.	12803	Seq. ID	OJ990910_06.9C03.C1
Gene No.	27059	Strand	-
Start	9702	End	12020
Name	OJ990910_06.9C03.C1.o2.tm	Method	TBLASTX:Maize
Start	7189	End	7654
GI	none	Score	88
Exons	7189..7539, 7286..7537, 7544..7654		
Seq. No.	12803	Seq. ID	OJ990910_06.9C03.C1
Gene No.	27059	Strand	-
Start	9702	End	12020
Name	OJ990910_06.9C03.C1.o2.tw	Method	TBLASTX:Wheat
Start	7243	End	7723
GI	none	Score	205
Exons	7243..7539, 7286..7540, 7544..7723, 7551..7619		
Seq. No.	12803	Seq. ID	OJ990910_06.9C03.C1
Gene No.	27059	Strand	-
Start	9702	End	12020
Name	OJ990910_06.9C03.C1.o4.tw	Method	TBLASTX:Wheat
Start	7877	End	8302
GI	none	Score	102
Exons	7877..8068, 7878..8042, 8108..8302, 8154..8252		
Seq. No.	12803	Seq. ID	OJ990910_06.9C03.C1
Gene No.	27059	Strand	-
Start	9702	End	12020
Name	OJ990910_06.9C03.C1.o5.tm	Method	TBLASTX:Maize
Start	7985	End	8305
GI	none	Score	71
Exons	7985..8305, 8160..8252		
Seq. No.	12803	Seq. ID	OJ990910_06.9C03.C1
Gene No.	27059	Strand	-
Start	9702	End	12020
Name	OJ990910_06.9C03.C1.o4.tm	Method	TBLASTX:Maize
Start	8645	End	8942
GI	none	Score	95

Exons	8645..8941, 8732..8941, 8754..8942		
Seq. No.	12803	Seq. ID	OJ990910_06.9C03.C1
Gene No.	27059	Strand	-
Start	9702	End	12020
Name	OJ990910_06.9C03.C1.o3.tw	Method	TBLASTX:Wheat
Start	8822	End	9185
GI	none	Score	86
Exons	8822..9181, 8823..9056, 9081..9185		
Seq. No.	12803	Seq. ID	OJ990910_06.9C03.C1
Gene No.	27059	Strand	-
Start	9702	End	12020
Name	OJ990910_06.9C03.C1.o3.gs	Method	GENSCAN
Start	9702	End	10667
GI	none	Score	.94
Exons	9702..10667		
Seq. No.	12803	Seq. ID	OJ990910_06.9C03.C1
Gene No.	27059	Strand	-
Start	9702	End	12020
Name	OJ990910_06.9C03.C1.o2.np	Method	AAT/NAP
Start	9705	End	10601
GI	5042448	Score	1335
Exons	9705..10000, 10040..10601		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		
Seq. No.	12803	Seq. ID	OJ990910_06.9C03.C1
Gene No.	27059	Strand	-
Start	9702	End	12020
Name	OJ990910_06.9C03.C1.o3.np	Method	AAT/NAP
Start	9958	End	12020
GI	6721561	Score	109
Exons	9958..10202, 11913..12020		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	12804	Seq. ID	OJ990910_06.9C03.C2
Gene No.	27060	Strand	+
Start	1	End	712
Name	OJ990910_06.9C03.C2.o1.np	Method	AAT/NAP
Start	1	End	712
GI	5295971	Score	236
Exons	1..425, 526..712		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		
Seq. No.	12804	Seq. ID	OJ990910_06.9C03.C2
Gene No.	27060	Strand	+
Start	1	End	712
Name	OJ990910_06.9C03.C2.o1.tm	Method	TBLASTX:Maize
Start	2	End	370

GI	none	Score	250
Exons	2..223, 10..105, 142..222, 218..370		

Seq. No.	12804	Seq. ID	OJ990910_06.9C03.C2
Gene No.	27060	Strand	+
Start	1	End	712
Name	OJ990910_06.9C03.C2.o1.ts	Method	TBLASTX:Soybean
Start	5	End	370
GI	none	Score	163
Exons	5..220, 10..213, 233..361, 242..370		

Seq. No.	12805	Seq. ID	OJ990910_06.9C03.C3
Gene No.	27061	Strand	+
Start	1	End	491
Name	OJ990910_06.9C03.C3.o1.np	Method	AAT/NAP
Start	1	End	488
GI	3645899	Score	502
Exons	1..488		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	12805	Seq. ID	OJ990910_06.9C03.C3
Gene No.	27061	Strand	+
Start	1	End	491
Name	OJ990910_06.9C03.C3.o1.gs	Method	GENSCAN
Start	122	End	491
GI	none	Score	.73
Exons	122..491		

Seq. No.	12805	Seq. ID	OJ990910_06.9C03.C3
Gene No.	27062	Strand	+
Start	2099	End	2689
Name	OJ990910_06.9C03.C3.o2.gs	Method	GENSCAN
Start	2099	End	2685
GI	none	Score	.76
Exons	2099..2192, 2462..2685		

Seq. No.	12805	Seq. ID	OJ990910_06.9C03.C3
Gene No.	27062	Strand	+
Start	2099	End	2689
Name	OJ990910_06.9C03.C3.o2.np	Method	AAT/NAP
Start	2422	End	2689
GI	6539588	Score	207
Exons	2422..2689		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	12805	Seq. ID	OJ990910_06.9C03.C3
Gene No.	27063	Strand	-
Start	1022	End	4334
Name	OJ990910_06.9C03.C3.o1.tm	Method	TBLASTX:Maize
Start	3	End	470
GI	none	Score	527
Exons	3..470, 14..460		

Seq. No.	12805	Seq. ID	OJ990910_06.9C03.C3
Gene No.	27063	Strand	-
Start	1022	End	4334
Name	OJ990910_06.9C03.C3.o1.tw	Method	TBLASTX:Wheat

Start	9	End	425
GI	none	Score	113
Exons	9..230, 234..425, 249..425		

Seq. No.	12805	Seq. ID	OJ990910_06.9C03.C3
Gene No.	27063	Strand	-
Start	1022	End	4334
Name	OJ990910_06.9C03.C3.o1.ts	Method	TBLASTX:Soybean
Start	15	End	500
GI	none	Score	183
Exons	15..221, 20..178, 240..500, 254..424		

Seq. No.	12805	Seq. ID	OJ990910_06.9C03.C3
Gene No.	27063	Strand	-
Start	1022	End	4334
Name	OJ990910_06.9C03.C3.o1.tc	Method	TBLASTX:Cress
Start	105	End	470
GI	none	Score	83
Exons	105..236, 258..470		

Seq. No.	12805	Seq. ID	OJ990910_06.9C03.C3
Gene No.	27063	Strand	-
Start	1022	End	4334
Name	OJ990910_06.9C03.C3.o3.np	Method	AAT/NAP
Start	1022	End	4334
GI	4263827	Score	347
Exons	1022..1089, 2775..2941, 3103..3156, 3250..3388, 3542..3729, 4184..4334		
GI Descrip.	(AC006067) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	12805	Seq. ID	OJ990910_06.9C03.C3
Gene No.	27063	Strand	-
Start	1022	End	4334
Name	OJ990910_06.9C03.C3.o3.gs	Method	GENSCAN
Start	3050	End	4012
GI	none	Score	.83
Exons	3050..3174, 3262..3388, 3542..3744, 3846..4012		

Seq. No.	12805	Seq. ID	OJ990910_06.9C03.C3
Gene No.	27063	Strand	-
Start	1022	End	4334
Name	OJ990910_06.9C03.C3.o2.tm	Method	TBLASTX:Maize
Start	3257	End	3727
GI	none	Score	97
Exons	3257..3391, 3258..3380, 3361..3399, 3539..3727, 3540..3719		

Seq. No.	12806	Seq. ID	OJ990910_06.9C03.C4
Gene No.	27064	Strand	+
Start	9648	End	12383
Name	OJ990910_06.9C03.C4.o1.np	Method	AAT/NAP
Start	9648	End	12383
GI	4539303	Score	839
Exons	9648..9788, 10764..11021, 11166..11250, 11355..11752, 12135..12383		
GI Descrip.	(AL049480) putative protein [Arabidopsis thaliana]		

Seq. No.	12806	Seq. ID	OJ990910_06.9C03.C4
Gene No.	27065	Strand	+
Start	13583	End	14425
Name	OJ990910_06.9C03.C4.o4.gs	Method	GENSCAN
Start	13583	End	14425
GI	none	Score	.99
Exons	13583..14425		

Seq. No.	12806	Seq. ID	OJ990910_06.9C03.C4
Gene No.	27066	Strand	+
Start	20352	End	21095
Name	OJ990910_06.9C03.C4.o6.gs	Method	GENSCAN
Start	20352	End	21095
GI	none	Score	.83
Exons	20352..21095		

Seq. No.	12806	Seq. ID	OJ990910_06.9C03.C4
Gene No.	27067	Strand	+
Start	26130	End	28618
Name	OJ990910_06.9C03.C4.o4.np	Method	AAT/NAP
Start	26115	End	28618
GI	4914419	Score	1045
Exons	26115..26269, 26734..26837, 27229..27405, 27896..28618		
GI Descrip.	(AL050352) putative protein [Arabidopsis thaliana]		

Seq. No.	12806	Seq. ID	OJ990910_06.9C03.C4
Gene No.	27067	Strand	+
Start	26130	End	28618
Name	OJ990910_06.9C03.C4.o7.gs	Method	GENSCAN
Start	26130	End	28491
GI	none	Score	.51
Exons	26130..26269, 26734..26837, 27229..27405, 27896..28491		

Seq. No.	12806	Seq. ID	OJ990910_06.9C03.C4
Gene No.	27067	Strand	+
Start	26130	End	28618
Name	OJ990910_06.9C03.C4.o3.gp	Method	AAT/GAP
Start	28352	End	28618
GI	2310308	Score	526
Exons	28352..28618		
GI Descrip.	4914419/emb|CAB43670.1| 1.0e-37 (AL050352) putative protein [Arabidopsis thaliana]		

Seq. No.	12806	Seq. ID	OJ990910_06.9C03.C4
Gene No.	27068	Strand	-
Start	759	End	3367
Name	OJ990910_06.9C03.C4.o1.gp	Method	AAT/GAP
Start	564	End	1020
GI	2280911	Score	890
Exons	564..1020		

Seq. No.	12806	Seq. ID	OJ990910_06.9C03.C4
Gene No.	27068	Strand	-
Start	759	End	3367
Name	OJ990910_06.9C03.C4.o1.gs	Method	GENSCAN
Start	759	End	1798
GI	none	Score	.77

Exons	759..860, 885..1015, 1207..1285, 1372..1402, 1480..1532, 1614..1633, 1732..1798		
Seq. No.	12806	Seq. ID	OJ990910_06.9C03.C4
Gene No.	27068	Strand	-
Start	759	End	3367
Name	OJ990910_06.9C03.C4.o2.gp	Method	AAT/GAP
Start	1493	End	3367
GI	60182_1.R1084	Score	680
Exons	1493..1532, 1732..1800, 1898..2011, 3223..3367		
GI Descrip.	'4914419/emb|CAB43670.1| 1.0e-37 (AL050352) putative protein [Arabidopsis thaliana]'		

Seq. No.	12806	Seq. ID	OJ990910_06.9C03.C4
Gene No.	27069	Strand	-
Start	12827	End	14488
Name	OJ990910_06.9C03.C4.o3.gs	Method	GENSCAN
Start	12827	End	13355
GI	none	Score	.69
Exons	12827..13309, 13329..13355		

Seq. No.	12806	Seq. ID	OJ990910_06.9C03.C4
Gene No.	27069	Strand	-
Start	12827	End	14488
Name	OJ990910_06.9C03.C4.o2.np	Method	AAT/NAP
Start	13209	End	14488
GI	3036805	Score	596
Exons	13209..13355, 13606..13872, 13939..14488		
GI Descrip.	(AL022373) thaumatin-like protein [Arabidopsis thaliana]		

Seq. No.	12806	Seq. ID	OJ990910_06.9C03.C4
Gene No.	27070	Strand	-
Start	15744	End	17149
Name	OJ990910_06.9C03.C4.o7.tm	Method	TBLASTX:Maize
Start	903	End	3383
GI	none	Score	89
Exons	903..986, 903..1001, 910..987, 1208..1285, 1208..1285, 1369..1410, 1376..1405, 1479..1538, 1480..1560, 1712..1798, 1728..1799, 1730..1801, 1731..1799, 1732..1818, 1735..1803, 1894..1959, 1894..2007, 1898..2011, 1898..2008, 1899..2015, 1965..2012, 3224..3337, 3279..3332, 3338..3382, 3342..3383		

Seq. No.	12806	Seq. ID	OJ990910_06.9C03.C4
Gene No.	27070	Strand	-
Start	15744	End	17149
Name	OJ990910_06.9C03.C4.o1.tw	Method	TBLASTX:Wheat
Start	9675	End	10995
GI	none	Score	183
Exons	9675..9794, 9696..9788, 9725..9793, 10731..10877, 10751..10843, 10755..10994, 10763..10993, 10945..10995, 10945..10995		

Seq. No.	12806	Seq. ID	OJ990910_06.9C03.C4
Gene No.	27070	Strand	-
Start	15744	End	17149
Name	OJ990910_06.9C03.C4.o1.tm	Method	TBLASTX:Maize
Start	9690	End	11243
GI	none	Score	108

Exons	9690..9794, 10731..10877, 10751..10834, 10761..11021, 10763..10981, 11136..11204, 11208..11243		
Seq. No.	12806	Seq. ID	OJ990910_06.9C03.C4
Gene No.	27070	Strand	-
Start	15744	End	17149
Name	OJ990910_06.9C03.C4.o1.tc	Method	TBLASTX:Cress
Start	10788	End	11728
GI	none	Score	41
Exons	10788..10823, 10823..11011, 10827..11021, 11154..11255, 11332..11496, 11354..11530, 11564..11728		
Seq. No.	12806	Seq. ID	OJ990910_06.9C03.C4
Gene No.	27070	Strand	-
Start	15744	End	17149
Name	OJ990910_06.9C03.C4.o2.ts	Method	TBLASTX:Soybean
Start	10790	End	11746
GI	none	Score	277
Exons	10790..11008, 10791..11021, 11136..11255, 11165..11254, 11353..11496, 11354..11548, 11537..11746, 11551..11742		
Seq. No.	12806	Seq. ID	OJ990910_06.9C03.C4
Gene No.	27070	Strand	-
Start	15744	End	17149
Name	OJ990910_06.9C03.C4.o8.tm	Method	TBLASTX:Maize
Start	11354	End	11554
GI	none	Score	186
Exons	11354..11554		
Seq. No.	12806	Seq. ID	OJ990910_06.9C03.C4
Gene No.	27070	Strand	-
Start	15744	End	17149
Name	OJ990910_06.9C03.C4.o6.tm	Method	TBLASTX:Maize
Start	11681	End	12326
GI	none	Score	72
Exons	11681..11761, 12117..12233, 12132..12326, 12134..12325, 12288..12326		
Seq. No.	12806	Seq. ID	OJ990910_06.9C03.C4
Gene No.	27070	Strand	-
Start	15744	End	17149
Name	OJ990910_06.9C03.C4.o6.ts	Method	TBLASTX:Soybean
Start	12132	End	12406
GI	none	Score	229
Exons	12132..12353, 12133..12354, 12137..12406		
Seq. No.	12806	Seq. ID	OJ990910_06.9C03.C4
Gene No.	27070	Strand	-
Start	15744	End	17149
Name	OJ990910_06.9C03.C4.o3.ts	Method	TBLASTX:Soybean
Start	13604	End	14431
GI	none	Score	143
Exons	13604..13816, 13668..13817, 14006..14050, 14105..14164, 14121..14165, 14165..14185, 14240..14431, 14241..14408		
Seq. No.	12806	Seq. ID	OJ990910_06.9C03.C4
Gene No.	27070	Strand	-

Start	15744	End	17149
Name	OJ990910_06.9C03.C4.o2.tc	Method	TBLASTX:Cress
Start	13607	End	13817
GI	none	Score	93
Exons	13607..13756, 13665..13751, 13754..13816, 13758..13817		

Seq. No.	12806	Seq. ID	OJ990910_06.9C03.C4
Gene No.	27070	Strand	-
Start	15744	End	17149
Name	OJ990910_06.9C03.C4.o2.tw	Method	TBLASTX:Wheat
Start	13643	End	13816
GI	none	Score	167
Exons	13643..13816, 13668..13814		

Seq. No.	12806	Seq. ID	OJ990910_06.9C03.C4
Gene No.	27070	Strand	-
Start	15744	End	17149
Name	OJ990910_06.9C03.C4.o5.tm	Method	TBLASTX:Maize
Start	13646	End	13814
GI	none	Score	159
Exons	13646..13813, 13668..13814		

Seq. No.	12806	Seq. ID	OJ990910_06.9C03.C4
Gene No.	27070	Strand	-
Start	15744	End	17149
Name	OJ990910_06.9C03.C4.o6.tc	Method	TBLASTX:Cress
Start	14006	End	14413
GI	none	Score	60
Exons	14006..14050, 14105..14164, 14118..14165, 14165..14185, 14240..14413, 14265..14408		

Seq. No.	12806	Seq. ID	OJ990910_06.9C03.C4
Gene No.	27070	Strand	-
Start	15744	End	17149
Name	OJ990910_06.9C03.C4.o3.tm	Method	TBLASTX:Maize
Start	14108	End	14431
GI	none	Score	78
Exons	14108..14128, 14132..14185, 14133..14186, 14234..14431, 14238..14408		

Seq. No.	12806	Seq. ID	OJ990910_06.9C03.C4
Gene No.	27070	Strand	-
Start	15744	End	17149
Name	OJ990910_06.9C03.C4.o5.gs	Method	GENSCAN
Start	15744	End	17136
GI	none	Score	.91
Exons	15744..15978, 16730..16775, 17004..17136		

Seq. No.	12806	Seq. ID	OJ990910_06.9C03.C4
Gene No.	27070	Strand	-
Start	15744	End	17149
Name	OJ990910_06.9C03.C4.o2.tm	Method	TBLASTX:Maize
Start	15747	End	17140
GI	none	Score	114
Exons	15747..15983, 15748..15876, 15761..15979, 15786..15986, 15940..15993, 16715..16777, 16727..16777, 16728..16778, 16729..16809, 17002..17136, 17003..17140		

Seq. No.	12806	Seq. ID	OJ990910_06.9C03.C4
Gene No.	27070	Strand	-
Start	15744	End	17149
Name	OJ990910_06.9C03.C4.o3.tc	Method	TBLASTX:Cress
Start	15760	End	17137
GI	none	Score	76
Exons	15760..15879, 15771..15983, 15804..15977, 15934..15993, 16727..16783, 16729..16809, 17002..17136, 17003..17137		

Seq. No.	12806	Seq. ID	OJ990910_06.9C03.C4
Gene No.	27070	Strand	-
Start	15744	End	17149
Name	OJ990910_06.9C03.C4.o5.ts	Method	TBLASTX:Soybean
Start	15816	End	17149
GI	none	Score	75
Exons	15816..15983, 15822..15977, 15934..15978, 16729..16809, 17002..17148, 17003..17149		

Seq. No.	12806	Seq. ID	OJ990910_06.9C03.C4
Gene No.	27070	Strand	-
Start	15744	End	17149
Name	OJ990910_06.9C03.C4.o3.np	Method	AAT/NAP
Start	15822	End	17136
GI	3096931	Score	293
Exons	15822..15978, 16730..16775, 17004..17136		
GI Descrip.	(AL023094) putative ribosomal protein S16 [Arabidopsis thaliana]		

Seq. No.	12806	Seq. ID	OJ990910_06.9C03.C4
Gene No.	27071	Strand	
Start	26744	End	28055
Name	OJ990910_06.9C03.C4.o4.ts	Method	TBLASTX:Soybean
Start	26744	End	28008
GI	none	Score	118
Exons	26744..26836, 27225..27407, 27227..27415, 27228..27422, 27872..28003, 27894..28004, 27895..28008		

Seq. No.	12806	Seq. ID	OJ990910_06.9C03.C4
Gene No.	27071	Strand	
Start	26744	End	28055
Name	OJ990910_06.9C03.C4.o5.tc	Method	TBLASTX:Cress
Start	27242	End	28055
GI	none	Score	255
Exons	27242..27421, 27243..27422, 27243..27440, 27887..28045, 27893..28051, 27894..28055, 27895..28053		

Seq. No.	12806	Seq. ID	OJ990910_06.9C03.C4
Gene No.	27072	Strand	
Start	28078	End	28617
Name	OJ990910_06.9C03.C4.o1.ts	Method	TBLASTX:Soybean
Start	28078	End	28617
GI	none	Score	233
Exons	28078..28293, 28108..28140, 28197..28295, 28308..28508, 28324..28548, 28555..28617		

Seq. No.	12806	Seq. ID	OJ990910_06.9C03.C4
Gene No.	27072	Strand	

Start	28078	End	28617
Name	OJ990910_06.9C03.C4.o4.tm	Method	TBLASTX:Maize
Start	28102	End	28336
GI	none	Score	273
Exons	28102..28335, 28103..28336		

Seq. No.	12806	Seq. ID	OJ990910_06.9C03.C4
Gene No.	27072	Strand	
Start	28078	End	28617
Name	OJ990910_06.9C03.C4.o4.tc	Method	TBLASTX:Cress
Start	28324	End	28542
GI	none	Score	257
Exons	28324..28542, 28326..28499, 28360..28500		

Seq. No.	12807	Seq. ID	OJ990910_06.9C03.C5
Gene No.	27073	Strand	+
Start	1	End	1525
Name	OJ990910_06.9C03.C5.o1.np	Method	AAT/NAP
Start	1	End	1243
GI	5032258	Score	210
Exons	1..662, 720..1024, 1097..1243		
GI Descrip.	(AF126057) microtubule-associated protein [Arabidopsis thaliana]		

Seq. No.	12807	Seq. ID	OJ990910_06.9C03.C5
Gene No.	27073	Strand	+
Start	1	End	1525
Name	OJ990910_06.9C03.C5.o1.gs	Method	GENSCAN
Start	64	End	1246
GI	none	Score	.82
Exons	64..1024, 1097..1246		

Seq. No.	12807	Seq. ID	OJ990910_06.9C03.C5
Gene No.	27073	Strand	+
Start	1	End	1525
Name	OJ990910_06.9C03.C5.o1.gp	Method	AAT/GAP
Start	902	End	1525
GI	26003_1.R1084	Score	1018
Exons	902..1024, 1097..1525		
GI Descrip.	'3250674/emb|CAA19682.1| 4.0e-14 (AL024486) putative protein [Arabidopsis thaliana]'		

Seq. No.	12807	Seq. ID	OJ990910_06.9C03.C5
Gene No.	27074	Strand	-
Start	2549	End	9507
Name	OJ990910_06.9C03.C5.o3.tm	Method	TBLASTX:Maize
Start	511	End	1021
GI	none	Score	86
Exons	511..561, 512..601, 512..565, 556..702, 560..733, 566..706, 709..849, 713..898, 713..859, 851..892, 912..971, 923..1021, 960..1016, 967..1020		

Seq. No.	12807	Seq. ID	OJ990910_06.9C03.C5
Gene No.	27074	Strand	-
Start	2549	End	9507
Name	OJ990910_06.9C03.C5.o2.gs	Method	GENSCAN
Start	2549	End	9457
GI	none	Score	.56

Exons	2549..2728, 3047..3157, 3988..5470, 5482..5636, 5819..6036, 7257..7425, 7897..7980, 8410..8481, 8535..8653, 9004..9457		
Seq. No.	12807	Seq. ID	OJ990910_06.9C03.C5
Gene No.	27074	Strand	-
Start	2549	End	9507
Name	OJ990910_06.9C03.C5.o2.np	Method	AAT/NAP
Start	3778	End	5308
GI	3250674	Score	826
Exons	3778..4547, 4602..5161, 5231..5308		
GI Descrip.	(AL024486) putative protein [Arabidopsis thaliana]		
Seq. No.	12807	Seq. ID	OJ990910_06.9C03.C5
Gene No.	27074	Strand	-
Start	2549	End	9507
Name	OJ990910_06.9C03.C5.o2.gp	Method	AAT/GAP
Start	3855	End	4328
GI	4878776	Score	860
Exons	3855..4328		
GI Descrip.	3250674/emb|CAA19682.1| 4.0e-14 (AL024486) putative protein [Arabidopsis thaliana]		
Seq. No.	12807	Seq. ID	OJ990910_06.9C03.C5
Gene No.	27074	Strand	-
Start	2549	End	9507
Name	OJ990910_06.9C03.C5.o3.np	Method	AAT/NAP
Start	7792	End	9507
GI	130582	Score	1431
Exons	7792..9363, 9406..9507		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi|100342|pir||S04273 hypothetical protein - common tobacco gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]		
Seq. No.	12807	Seq. ID	OJ990910_06.9C03.C5
Gene No.	27074	Strand	-
Start	2549	End	9507
Name	OJ990910_06.9C03.C5.o1.tm	Method	TBLASTX:Maize
Start	7797	End	8223
GI	none	Score	153
Exons	7797..8042, 7799..8221, 7801..8223		
Seq. No.	12807	Seq. ID	OJ990910_06.9C03.C5
Gene No.	27074	Strand	-
Start	2549	End	9507
Name	OJ990910_06.9C03.C5.o1.tc	Method	TBLASTX:Cress
Start	7801	End	8400
GI	none	Score	51
Exons	7801..8010, 8026..8172, 8173..8253, 8290..8400		
Seq. No.	12807	Seq. ID	OJ990910_06.9C03.C5
Gene No.	27074	Strand	-
Start	2549	End	9507
Name	OJ990910_06.9C03.C5.o2.ts	Method	TBLASTX:Soybean
Start	7801	End	8197
GI	none	Score	51
Exons	7801..7914, 7802..7900, 7916..8197, 7924..8193, 8087..8197		

Seq. No.	12807	Seq. ID	OJ990910_06.9C03.C5
Gene No.	27074	Strand	-
Start	2549	End	9507
Name	OJ990910_06.9C03.C5.o3.tw	Method	TBLASTX:Wheat
Start	7825	End	8260
GI	none	Score	61
Exons	7825..8016, 7825..8025, 7847..8026, 8044..8247, 8069..8260		

Seq. No.	12807	Seq. ID	OJ990910_06.9C03.C5
Gene No.	27074	Strand	-
Start	2549	End	9507
Name	OJ990910_06.9C03.C5.o2.tm	Method	TBLASTX:Maize
Start	8279	End	8724
GI	none	Score	142
Exons	8279..8491, 8284..8544, 8494..8589, 8499..8588, 8562..8723, 8632..8724		

Seq. No.	12807	Seq. ID	OJ990910_06.9C03.C5
Gene No.	27074	Strand	-
Start	2549	End	9507
Name	OJ990910_06.9C03.C5.o2.tw	Method	TBLASTX:Wheat
Start	8374	End	8992
GI	none	Score	48
Exons	8374..8490, 8393..8491, 8499..8807, 8523..8753, 8617..8808, 8844..8951, 8945..8992		

Seq. No.	12807	Seq. ID	OJ990910_06.9C03.C5
Gene No.	27074	Strand	-
Start	2549	End	9507
Name	OJ990910_06.9C03.C5.o1.ts	Method	TBLASTX:Soybean
Start	8933	End	9295
GI	none	Score	180
Exons	8933..9295, 8982..9242		

Seq. No.	12807	Seq. ID	OJ990910_06.9C03.C5
Gene No.	27074	Strand	-
Start	2549	End	9507
Name	OJ990910_06.9C03.C5.o4.tm	Method	TBLASTX:Maize
Start	8947	End	9154
GI	none	Score	158
Exons	8947..9147, 8948..9154, 8951..9148, 8982..9149		

Seq. No.	12807	Seq. ID	OJ990910_06.9C03.C5
Gene No.	27074	Strand	-
Start	2549	End	9507
Name	OJ990910_06.9C03.C5.o2.tc	Method	TBLASTX:Cress
Start	8948	End	9154
GI	none	Score	80
Exons	8948..9151, 8948..9154		

Seq. No.	12807	Seq. ID	OJ990910_06.9C03.C5
Gene No.	27074	Strand	-
Start	2549	End	9507
Name	OJ990910_06.9C03.C5.o1.tw	Method	TBLASTX:Wheat
Start	8995	End	9432
GI	none	Score	384

Exons	8995..9312, 8996..9430, 8996..9415, 9036..9431, 9244..9432		
Seq. No.	12808	Seq. ID	OJ990910_06.9C03.C6
Gene No.	27075	Strand	+
Start	7202	End	14001
Name	OJ990910_06.9C03.C6.o2.gs	Method	GENSCAN
Start	7202	End	13606
GI	none	Score	.51
Exons	7202..7465, 8064..8274, 8902..8920, 9545..9657, 9908..9983, 10795..11051, 11938..12129, 12231..12433, 12477..12595, 12679..13172, 13553..13606		
Seq. No.	12808	Seq. ID	OJ990910_06.9C03.C6
Gene No.	27075	Strand	+
Start	7202	End	14001
Name	OJ990910_06.9C03.C6.o3.np	Method	AAT/NAP
Start	10755	End	14001
GI	4938475	Score	462
Exons	10755..11058, 12253..12433, 12535..13172, 13553..13691, 13803..13883, 13974..14001		
GI Descrip.	(AL078464) serine/threonine-specific receptor protein kinase LRRPK [Arabidopsis thaliana]		
Seq. No.	12808	Seq. ID	OJ990910_06.9C03.C6
Gene No.	27076	Strand	-
Start	1	End	14001
Name	OJ990910_06.9C03.C6.o1.np	Method	AAT/NAP
Start	1	End	1629
GI	130582	Score	748
Exons	1..1629		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi|100342|pir||S04273 hypothetical protein - common tobacco gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]		
Seq. No.	12808	Seq. ID	OJ990910_06.9C03.C6
Gene No.	27076	Strand	-
Start	1	End	14001
Name	OJ990910_06.9C03.C6.o1.gs	Method	GENSCAN
Start	161	End	5722
GI	none	Score	.53
Exons	161..1253, 1297..1569, 1690..1769, 1872..2080, 2228..2411, 2436..2509, 2584..2636, 2794..3391, 5370..5722		
Seq. No.	12808	Seq. ID	OJ990910_06.9C03.C6
Gene No.	27076	Strand	-
Start	1	End	14001
Name	OJ990910_06.9C03.C6.o1.tw	Method	TBLASTX:Wheat
Start	861	End	1283
GI	none	Score	45
Exons	861..914, 871..906, 932..1027, 990..1052, 1006..1041, 1044..1154, 1045..1137, 1050..1139, 1134..1283, 1141..1266		
Seq. No.	12808	Seq. ID	OJ990910_06.9C03.C6
Gene No.	27076	Strand	-
Start	1	End	14001
Name	OJ990910_06.9C03.C6.o2.tw	Method	TBLASTX:Wheat

Start	2272	End	2544
GI	none	Score	203
Exons	2272..2544, 2354..2542, 2362..2544		

Seq. No.	12808	Seq. ID	OJ990910_06.9C03.C6
Gene No.	27076	Strand	-
Start	1	End	14001
Name	OJ990910_06.9C03.C6.o3.tw	Method	TBLASTX:Wheat
Start	2985	End	3328
GI	none	Score	83
Exons	2985..3116, 2986..3117, 2986..3123, 3097..3264, 3101..3229, 3110..3265, 3117..3266, 3124..3267, 3293..3328		

Seq. No.	12808	Seq. ID	OJ990910_06.9C03.C6
Gene No.	27076	Strand	-
Start	1	End	14001
Name	OJ990910_06.9C03.C6.o2.np	Method	AAT/NAP
Start	3106	End	14001
GI	5777618	Score	106
Exons	3106..3306, 5402..5842, 5993..6040, 9979..10111, 13964..14001		
GI Descrip.	(AJ245900) CAA30376.1 protein [Oryza sativa]		

Seq. No.	12809	Seq. ID	OJ990910_06.9C03.C7
Gene No.	27077	Strand	+
Start	1	End	715
Name	OJ990910_06.9C03.C7.o1.np	Method	AAT/NAP
Start	1	End	715
GI	2505884	Score	406
Exons	1..715		
GI Descrip.	(Y12776) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12809	Seq. ID	OJ990910_06.9C03.C7
Gene No.	27077	Strand	+
Start	1	End	715
Name	OJ990910_06.9C03.C7.o1.gs	Method	GENSCAN
Start	73	End	695
GI	none	Score	.49
Exons	73..174, 204..695		

Seq. No.	12810	Seq. ID	OJ990910_06.9C03.C8
Gene No.	27078	Strand	+
Start	614	End	770
Name	OJ990910_06.9C03.C8.o1.gp	Method	AAT/GAP
Start	614	End	770
GI	jC-osleLIB3474037g11a1	Score	314
Exons	614..770		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	12810	Seq. ID	OJ990910_06.9C03.C8
Gene No.	27079	Strand	-
Start	623	End	770
Name	OJ990910_06.9C03.C8.o5.gp	Method	AAT/GAP
Start	623	End	770
GI	uC-osflcyp153d11b1	Score	270
Exons	623..770		
GI Descrip.	'3810592 5.0e-36 (AC005398) unknown protein [Arabidopsis		

thaliana]'

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27080	Strand	+
Start	6369	End	7274
Name	OJ990910_06.9C03.C11.o3.np	Method	AAT/NAP
Start	6366	End	7271
GI	2696229	Score	1346
Exons	6366..7271		
GI Descrip.	(D55712) chitinase [Oryza sativa] gi|4884494|dbj|BAA77768.1| (AB027415) class III chitinase homologue (OsChib3H-a)H- [Oryza sativa] gi|4884496|dbj|BAA77769.1| (AB027416) class III chitinase homologue (OsChib3H-a) [Oryza sativa] gi|4884498|dbj|BAA77770.1| (AB027417) class III chitinase homologue (OsChib3H-a) [Oryza sativa] gi|4884506|dbj|BAA77771.1| (AB027418) class III ch		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27080	Strand	+
Start	6369	End	7274
Name	OJ990910_06.9C03.C11.o2.gs	Method	GENSCAN
Start	6369	End	6845
GI	none	Score	1
Exons	6369..6845		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27080	Strand	+
Start	6369	End	7274
Name	OJ990910_06.9C03.C11.o3.gs	Method	GENSCAN
Start	6942	End	7274
GI	none	Score	.88
Exons	6942..7274		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27081	Strand	+
Start	14210	End	15790
Name	OJ990910_06.9C03.C11.o5.gs	Method	GENSCAN
Start	14210	End	15790
GI	none	Score	.98
Exons	14210..15790		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27081	Strand	+
Start	14210	End	15790
Name	OJ990910_06.9C03.C11.o4.np	Method	AAT/NAP
Start	14279	End	15731
GI	3510250	Score	950
Exons	14279..15731		
GI Descrip.	(AC005310) unknown protein [Arabidopsis thaliana]		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27082	Strand	+
Start	16450	End	21778
Name	OJ990910_06.9C03.C11.o5.np	Method	AAT/NAP
Start	16450	End	21778
GI	2586082	Score	2517
Exons	16450..18885, 21722..21778		

GI Descrip. (U72725) retrofit [Oryza longistaminata]

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27083	Strand	+
Start	21991	End	23262
Name	OJ990910_06.9C03.C11.o2.gp	Method	AAT/GAP
Start	21991	End	23262
GI	111_5.R1084	Score	2498
Exons	21991..23262		

GI Descrip. '2696223/dbj|BAA23807| 0.0e+00 (D55709) chitinase [Oryza sativa] >gi_4884520_dbj_BAA77778.1_ (AB027425) class III chitinase homologue (OsChib3H-d) [Oryza sativa]'

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27084	Strand	+
Start	25847	End	26753
Name	OJ990910_06.9C03.C11.o8.np	Method	AAT/NAP
Start	25847	End	26753
GI	2696229	Score	656
Exons	25847..26753		

GI Descrip. (D55712) chitinase [Oryza sativa] gi|4884494|dbj|BAA77768.1| (AB027415) class III chitinase homologue (OsChib3H-a)H- [Oryza sativa] gi|4884496|dbj|BAA77769.1| (AB027416) class III chitinase homologue (OsChib3H-a) [Oryza sativa] gi|4884498|dbj|BAA77770.1| (AB027417) class III chitinase homologue (OsChib3H-a) [Oryza sativa] gi|4884506|dbj|BAA77771.1| (AB027418) class III ch

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27085	Strand	+
Start	31949	End	33631
Name	OJ990910_06.9C03.C11.o11.np	Method	AAT/NAP
Start	31949	End	33631
GI	6539588	Score	263
Exons	31949..32262, 33599..33631		

GI Descrip. (AP000837) hypothetical protein [Oryza sativa]

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27086	Strand	-
Start	257	End	3869
Name	OJ990910_06.9C03.C11.o1.gs	Method	GENSCAN
Start	257	End	3869
GI	none	Score	.42
Exons	257..329, 375..465, 558..671, 3850..3869		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27087	Strand	-
Start	11246	End	12085
Name	OJ990910_06.9C03.C11.o1.gp	Method	AAT/GAP
Start	10742	End	10883
GI	LIB3477-003-P1-K1-E9	Score	83
Exons	10742..10768, 10818..10883		

GI Descrip. '2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11

Gene No.	27087	Strand	-
Start	11246	End	12085
Name	OJ990910_06.9C03.C11.o4.gs	Method	GENSCAN
Start	11246	End	12085
GI	none	Score	.74
Exons	11246..12085		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27088	Strand	-
Start	19298	End	23231
Name	OJ990910_06.9C03.C11.o6.np	Method	AAT/NAP
Start	19298	End	21409
GI	6721561	Score	230
Exons	19298..19902, 21379..21409		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27088	Strand	-
Start	19298	End	23231
Name	OJ990910_06.9C03.C11.o8.gs	Method	GENSCAN
Start	20934	End	23231
GI	none	Score	.85
Exons	20934..20949, 21025..21189, 22306..23231		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27088	Strand	-
Start	19298	End	23231
Name	OJ990910_06.9C03.C11.o7.np	Method	AAT/NAP
Start	22287	End	23231
GI	2696223	Score	1701
Exons	22287..23231		
GI Descrip.	(D55709) chitinase [Oryza sativa] gi|4884520|dbj|BAA77778.1| (AB027425) class III chitinase homologue (OsChib3H-d) [Oryza sativa]		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27089	Strand	-
Start	23480	End	23636
Name	OJ990910_06.9C03.C11.o9.gs	Method	GENSCAN
Start	23480	End	23636
GI	none	Score	.82
Exons	23480..23503, 23607..23636		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27090	Strand	-
Start	27616	End	28182
Name	OJ990910_06.9C03.C11.o9.np	Method	AAT/NAP
Start	27616	End	28182
GI	3461838	Score	214
Exons	27616..28020, 28137..28182		
GI Descrip.	(AC005315) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27091	Strand	-
Start	28927	End	33283
Name	OJ990910_06.9C03.C11.o4.tm	Method	TBLASTX:Maize
Start	973	End	15037
GI	none	Score	70
Exons	973..1062, 14608..14916, 14618..15037		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27091	Strand	-
Start	28927	End	33283
Name	OJ990910_06.9C03.C11.o8.tw	Method	TBLASTX:Wheat
Start	1577	End	33283
GI	none	Score	200
Exons	1577..1762, 1592..1858, 33218..33283		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27091	Strand	-
Start	28927	End	33283
Name	OJ990910_06.9C03.C11.o1.tm	Method	TBLASTX:Maize
Start	2132	End	3105
GI	none	Score	410
Exons	2132..2596, 2207..2359, 2215..2361, 2383..2595, 2612..2701, 2626..2700, 2682..2735, 2749..3060, 3082..3105		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27091	Strand	-
Start	28927	End	33283
Name	OJ990910_06.9C03.C11.o7.tw	Method	TBLASTX:Wheat
Start	2157	End	2497
GI	none	Score	63
Exons	2157..2354, 2183..2494, 2213..2365, 2239..2457, 2471..2497		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27091	Strand	-
Start	28927	End	33283
Name	OJ990910_06.9C03.C11.o7.ts	Method	TBLASTX:Soybean
Start	2805	End	3216
GI	none	Score	116
Exons	2805..3041, 2806..3042, 3031..3216, 3051..3191		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27091	Strand	-
Start	28927	End	33283
Name	OJ990910_06.9C03.C11.o5.tw	Method	TBLASTX:Wheat
Start	2839	End	6169
GI	none	Score	224
Exons	2839..3213, 3084..3197, 6134..6169		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27091	Strand	-
Start	28927	End	33283
Name	OJ990910_06.9C03.C11.o8.tm	Method	TBLASTX:Maize
Start	3061	End	3403
GI	none	Score	166
Exons	3061..3246, 3132..3245, 3250..3381, 3299..3403		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27091	Strand	-
Start	28927	End	33283
Name	OJ990910_06.9C03.C11.o9.tw	Method	TBLASTX:Wheat
Start	3679	End	4029
GI	none	Score	86
Exons	3679..3795, 3801..3875, 3802..4029		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27091	Strand	-
Start	28927	End	33283
Name	OJ990910_06.9C03.C11.o4.tw	Method	TBLASTX:Wheat
Start	6369	End	26179
GI	none	Score	158
Exons	6369..6449, 6438..6569, 6441..6554, 6452..6568, 6570..6674, 6587..6673, 6615..6674, 22899..23003, 22900..22986, 23004..23138, 25987..26064, 25991..26065, 26074..26142, 26075..26143, 26156..26179		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27091	Strand	-
Start	28927	End	33283
Name	OJ990910_06.9C03.C11.o3.tm	Method	TBLASTX:Maize
Start	6420	End	26737
GI	none	Score	123
Exons	6420..6578, 6621..6758, 6623..6730, 6767..6829, 6768..6857, 6888..7112, 6903..7067, 7167..7262, 22299..22472, 22485..22622, 22701..22763, 22809..22898, 22810..22899, 22887..22952, 22888..22950, 22995..23111, 22999..23139, 26144..26263, 26156..26281, 26300..26407, 26537..26605, 26675..26737		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27091	Strand	-
Start	28927	End	33283
Name	OJ990910_06.9C03.C11.o2.tc	Method	TBLASTX:Cress
Start	6459	End	26605
GI	none	Score	104
Exons	6459..6578, 6618..6761, 6773..6835, 6777..6878, 6903..7112, 7167..7259, 22293..22469, 22485..22622, 22698..22778, 22812..22898, 22887..22961, 22995..23117, 26144..26266, 26297..26374, 26537..26605		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27091	Strand	-
Start	28927	End	33283
Name	OJ990910_06.9C03.C11.o2.ts	Method	TBLASTX:Soybean
Start	6465	End	26389
GI	none	Score	105
Exons	6465..6578, 6615..6761, 6623..6697, 6779..6829, 6780..6878, 6885..7067, 7167..7259, 22299..22403, 22494..22622, 22698..22778, 22711..22776, 22812..22898, 22813..22899, 22887..22958, 22888..22950, 22995..23108, 25943..25978, 25991..26065, 26306..26389		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27091	Strand	-
Start	28927	End	33283

Name	OJ990910_06.9C03.C11.o1.ts	Method	TBLASTX:Soybean
Start	14246	End	14773
GI	none	Score	211
Exons	14246..14521, 14455..14520, 14512..14736, 14513..14773		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27091	Strand	-
Start	28927	End	33283
Name	OJ990910_06.9C03.C11.o1.tc	Method	TBLASTX:Cress
Start	14305	End	14941
GI	none	Score	211
Exons	14305..14376, 14306..14521, 14512..14799, 14513..14809, 14800..14922, 14837..14941		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27091	Strand	-
Start	28927	End	33283
Name	OJ990910_06.9C03.C11.o4.ts	Method	TBLASTX:Soybean
Start	14779	End	15066
GI	none	Score	103
Exons	14779..14880, 14780..14890, 14873..15061, 14986..15066		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27091	Strand	-
Start	28927	End	33283
Name	OJ990910_06.9C03.C11.o9.tm	Method	TBLASTX:Maize
Start	15161	End	15463
GI	none	Score	78
Exons	15161..15250, 15263..15328, 15374..15463, 15397..15462		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27091	Strand	-
Start	28927	End	33283
Name	OJ990910_06.9C03.C11.o2.tw	Method	TBLASTX:Wheat
Start	15263	End	15538
GI	none	Score	74
Exons	15263..15349, 15374..15538, 15400..15537		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27091	Strand	-
Start	28927	End	33283
Name	OJ990910_06.9C03.C11.o3.tc	Method	TBLASTX:Cress
Start	15374	End	15682
GI	none	Score	240
Exons	15374..15577, 15400..15564, 15569..15682, 15592..15681		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27091	Strand	-
Start	28927	End	33283
Name	OJ990910_06.9C03.C11.o3.ts	Method	TBLASTX:Soybean
Start	15383	End	15682
GI	none	Score	212
Exons	15383..15559, 15397..15558, 15571..15678, 15572..15682		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27091	Strand	-
Start	28927	End	33283

Name	OJ990910_06.9C03.C11.o6.tm	Method	TBLASTX:Maize
Start	15463	End	15691
GI	none	Score	137
Exons	15463..15564, 15470..15577, 15485..15589, 15492..15590, 15568..15681, 15569..15682, 15578..15691		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27091	Strand	-
Start	28927	End	33283
Name	OJ990910_06.9C03.C11.o6.tw	Method	TBLASTX:Wheat
Start	16495	End	16845
GI	none	Score	223
Exons	16495..16845		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27091	Strand	-
Start	28927	End	33283
Name	OJ990910_06.9C03.C11.o2.tm	Method	TBLASTX:Maize
Start	16528	End	16965
GI	none	Score	102
Exons	16528..16653, 16660..16965, 16671..16958		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27091	Strand	-
Start	28927	End	33283
Name	OJ990910_06.9C03.C11.o7.tm	Method	TBLASTX:Maize
Start	17287	End	17529
GI	none	Score	244
Exons	17287..17529, 17289..17447		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27091	Strand	-
Start	28927	End	33283
Name	OJ990910_06.9C03.C11.o1.tw	Method	TBLASTX:Wheat
Start	17350	End	17742
GI	none	Score	243
Exons	17350..17583, 17350..17574, 17406..17576, 17578..17742, 17579..17713, 17592..17741		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27091	Strand	-
Start	28927	End	33283
Name	OJ990910_06.9C03.C11.o6.ts	Method	TBLASTX:Soybean
Start	17809	End	18238
GI	none	Score	161
Exons	17809..18024, 17999..18238		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27091	Strand	-
Start	28927	End	33283
Name	OJ990910_06.9C03.C11.o3.tw	Method	TBLASTX:Wheat
Start	18058	End	18625
GI	none	Score	143
Exons	18058..18210, 18068..18217, 18233..18421, 18437..18499, 18503..18625		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11

Gene No.	27091	Strand	-
Start	28927	End	33283
Name	OJ990910_06.9C03.C11.o4.tc	Method	TBLASTX:Cress
Start	18230	End	18693
GI	none	Score	286
Exons	18230..18634, 18241..18498, 18634..18693		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27091	Strand	-
Start	28927	End	33283
Name	OJ990910_06.9C03.C11.o5.ts	Method	TBLASTX:Soybean
Start	18242	End	18634
GI	none	Score	248
Exons	18242..18634		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27091	Strand	-
Start	28927	End	33283
Name	OJ990910_06.9C03.C11.o5.tm	Method	TBLASTX:Maize
Start	18335	End	18634
GI	none	Score	260
Exons	18335..18634, 18466..18609		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27091	Strand	-
Start	28927	End	33283
Name	OJ990910_06.9C03.C11.o5.tc	Method	TBLASTX:Cress
Start	27783	End	28165
GI	none	Score	79
Exons	27783..27911, 27787..27912, 27924..28019, 28133..28165		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27091	Strand	-
Start	28927	End	33283
Name	OJ990910_06.9C03.C11.o8.ts	Method	TBLASTX:Soybean
Start	27783	End	28165
GI	none	Score	64
Exons	27783..27911, 27930..28019, 28133..28165		

Seq. No.	12811	Seq. ID	OJ990910_06.9C03.C11
Gene No.	27091	Strand	-
Start	28927	End	33283
Name	OJ990910_06.9C03.C11.o10.np	Method	AAT/NAP
Start	28927	End	30295
GI	5852179	Score	282
Exons	28927..29184, 29258..29455, 30275..30295		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	12812	Seq. ID	OJ990830_05.9C06.C2
Gene No.	27092	Strand	+
Start	330	End	3378
Name	OJ990830_05.9C06.C2.o1.gs	Method	GENSCAN
Start	330	End	3378
GI	none	Score	.74
Exons	330..449, 2138..2626, 3211..3378		

Seq. No.	12812	Seq. ID	OJ990830_05.9C06.C2

Gene No.	27093	Strand	-
Start	2194	End	7952
Name	OJ990830_05.9C06.C2.o2.np	Method	AAT/NAP
Start	2194	End	7862
GI	6689614	Score	2129
Exons	2194..2512, 4334..4799, 6560..6657, 6952..7248, 7458..7862		
GI Descrip.	(AJ011794) AUX1 protein [Zea mays]		

Seq. No.	12812	Seq. ID	OJ990830_05.9C06.C2
Gene No.	27093	Strand	-
Start	2194	End	7952
Name	OJ990830_05.9C06.C2.o2.tm	Method	TBLASTX:Maize
Start	2336	End	4597
GI	none	Score	125
Exons	2336..2455, 2336..2398, 2337..2513, 2453..2512, 4337..4597, 4371..4595, 4541..4597		

Seq. No.	12812	Seq. ID	OJ990830_05.9C06.C2
Gene No.	27093	Strand	-
Start	2194	End	7952
Name	OJ990830_05.9C06.C2.o2.ts	Method	TBLASTX:Soybean
Start	2336	End	4658
GI	none	Score	103
Exons	2336..2398, 2337..2516, 2450..2515, 4334..4657, 4359..4658		

Seq. No.	12812	Seq. ID	OJ990830_05.9C06.C2
Gene No.	27093	Strand	-
Start	2194	End	7952
Name	OJ990830_05.9C06.C2.o2.gs	Method	GENSCAN
Start	4263	End	4783
GI	none	Score	.52
Exons	4263..4295, 4334..4783		

Seq. No.	12812	Seq. ID	OJ990830_05.9C06.C2
Gene No.	27093	Strand	-
Start	2194	End	7952
Name	OJ990830_05.9C06.C2.o2.tc	Method	TBLASTX:Cress
Start	4427	End	4673
GI	none	Score	54
Exons	4427..4669, 4431..4472, 4533..4673		

Seq. No.	12812	Seq. ID	OJ990830_05.9C06.C2
Gene No.	27093	Strand	-
Start	2194	End	7952
Name	OJ990830_05.9C06.C2.o1.tm	Method	TBLASTX:Maize
Start	4649	End	7255
GI	none	Score	130
Exons	4649..4798, 4656..4790, 6541..6660, 6560..6646, 6952..7251, 6956..7099, 7026..7193, 7037..7255, 7093..7251, 7139..7252		

Seq. No.	12812	Seq. ID	OJ990830_05.9C06.C2
Gene No.	27093	Strand	-
Start	2194	End	7952
Name	OJ990830_05.9C06.C2.o3.gs	Method	GENSCAN
Start	6556	End	7865
GI	none	Score	.96
Exons	6556..6657, 6952..7248, 7458..7865		

Seq. No.	12812	Seq. ID	OJ990830_05.9C06.C2
Gene No.	27093	Strand	-
Start	2194	End	7952
Name	OJ990830_05.9C06.C2.o1.ts	Method	TBLASTX:Soybean
Start	6586	End	7697
GI	none	Score	225
Exons	6586..6636, 6949..7251, 6950..7249, 7093..7251, 7458..7697, 7594..7692		

Seq. No.	12812	Seq. ID	OJ990830_05.9C06.C2
Gene No.	27093	Strand	-
Start	2194	End	7952
Name	OJ990830_05.9C06.C2.o3.tc	Method	TBLASTX:Cress
Start	7012	End	7201
GI	none	Score	174
Exons	7012..7200, 7013..7201, 7088..7201		

Seq. No.	12812	Seq. ID	OJ990830_05.9C06.C2
Gene No.	27093	Strand	-
Start	2194	End	7952
Name	OJ990830_05.9C06.C2.o1.tc	Method	TBLASTX:Cress
Start	7443	End	7731
GI	none	Score	123
Exons	7443..7730, 7594..7731		

Seq. No.	12812	Seq. ID	OJ990830_05.9C06.C2
Gene No.	27093	Strand	-
Start	2194	End	7952
Name	OJ990830_05.9C06.C2.o3.tm	Method	TBLASTX:Maize
Start	7458	End	7644
GI	none	Score	87
Exons	7458..7643, 7459..7644		

Seq. No.	12812	Seq. ID	OJ990830_05.9C06.C2
Gene No.	27093	Strand	-
Start	2194	End	7952
Name	OJ990830_05.9C06.C2.o1.gp	Method	AAT/GAP
Start	7574	End	7952
GI	57671_1.R1084	Score	715
Exons	7574..7952		
GI Descrip.	'4803938/gb|AAD29811.1|AC006264_19 1.0e-10 (AC006264) putative aromatic amino acid permease [Arabidopsis thaliana] >gi_5139337_emb_CAB45643.1_ (AJ243221) putative AUX1-like permease [Arabidopsis thaliana]'		

Seq. No.	12813	Seq. ID	OJ990830_05.9C06.C3
Gene No.	27094	Strand	+
Start	161	End	298
Name	OJ990830_05.9C06.C3.o1.gs	Method	GENSCAN
Start	161	End	298
GI	none	Score	.8
Exons	161..298		

Seq. No.	12814	Seq. ID	OJ990830_05.9C06.C8
Gene No.	27095	Strand	+
Start	1018	End	1216

Name	OJ990830_05.9C06.C8.o1.tm	Method	TBLASTX:Maize
Start	142	End	418
GI	none	Score	60
Exons	142..339, 164..418, 167..361		

Seq. No.	12814	Seq. ID	OJ990830_05.9C06.C8
Gene No.	27095	Strand	+
Start	1018	End	1216
Name	OJ990830_05.9C06.C8.o1.tw	Method	TBLASTX:Wheat
Start	215	End	610
GI	none	Score	102
Exons	215..355, 413..610		

Seq. No.	12814	Seq. ID	OJ990830_05.9C06.C8
Gene No.	27095	Strand	+
Start	1018	End	1216
Name	OJ990830_05.9C06.C8.o1.gs	Method	GENSCAN
Start	1018	End	1216
GI	none	Score	.58
Exons	1018..1216		

Seq. No.	12815	Seq. ID	OJ990830_05.9C06.C10
Gene No.	27096	Strand	-
Start	1984	End	12714
Name	OJ990830_05.9C06.C10.o1.gs	Method	GENSCAN
Start	1984	End	3739
GI	none	Score	.98
Exons	1984..3533, 3628..3739		

Seq. No.	12815	Seq. ID	OJ990830_05.9C06.C10
Gene No.	27096	Strand	-
Start	1984	End	12714
Name	OJ990830_05.9C06.C10.o1.np	Method	AAT/NAP
Start	1987	End	3751
GI	6587832	Score	891
Exons	1987..3098, 3126..3533, 3628..3751		
GI Descrip.	(AC006551) Similar to LeOPT1 [Lycopersicon esculentum] [Arabidopsis thaliana]		

Seq. No.	12815	Seq. ID	OJ990830_05.9C06.C10
Gene No.	27096	Strand	-
Start	1984	End	12714
Name	OJ990830_05.9C06.C10.o2.np	Method	AAT/NAP
Start	2023	End	11609
GI	435039	Score	153
Exons	2023..2121, 3632..3711, 8689..8748, 11212..11609		
GI Descrip.	(L17308) proline-rich cell wall protein [Gossypium hirsutum]		

Seq. No.	12815	Seq. ID	OJ990830_05.9C06.C10
Gene No.	27096	Strand	-
Start	1984	End	12714
Name	OJ990830_05.9C06.C10.o1.ts	Method	TBLASTX:Soybean
Start	2072	End	3180
GI	none	Score	48
Exons	2072..2128, 2089..2136, 2143..2376, 2188..2319, 2449..2577, 2453..2593, 2629..2730, 2905..3081, 2909..3076, 3127..3180		

Seq. No.	12815	Seq. ID	OJ990830_05.9C06.C10
Gene No.	27096	Strand	-
Start	1984	End	12714
Name	OJ990830_05.9C06.C10.o2.tw	Method	TBLASTX:Wheat
Start	2072	End	2323
GI	none	Score	69
Exons	2072..2140, 2089..2145, 2131..2322, 2188..2319, 2216..2323		

Seq. No.	12815	Seq. ID	OJ990830_05.9C06.C10
Gene No.	27096	Strand	-
Start	1984	End	12714
Name	OJ990830_05.9C06.C10.o1.tc	Method	TBLASTX:Cress
Start	2125	End	3168
GI	none	Score	52
Exons	2125..2358, 2449..2544, 2632..2730, 2905..3096, 3133..3168		

Seq. No.	12815	Seq. ID	OJ990830_05.9C06.C10
Gene No.	27096	Strand	-
Start	1984	End	12714
Name	OJ990830_05.9C06.C10.o2.tm	Method	TBLASTX:Maize
Start	2125	End	3168
GI	none	Score	74
Exons	2125..2349, 2444..2593, 2449..2565, 2632..2730, 2668..2718, 3016..3078, 3133..3168		

Seq. No.	12815	Seq. ID	OJ990830_05.9C06.C10
Gene No.	27096	Strand	-
Start	1984	End	12714
Name	OJ990830_05.9C06.C10.o3.np	Method	AAT/NAP
Start	7410	End	12714
GI	6689616	Score	358
Exons	7410..7483, 11092..11445, 11479..11852, 12549..12714		
GI Descrip.	(AJ012301) proline-rich protein [Zea mays]		

Seq. No.	12815	Seq. ID	OJ990830_05.9C06.C10
Gene No.	27096	Strand	-
Start	1984	End	12714
Name	OJ990830_05.9C06.C10.o3.gs	Method	GENSCAN
Start	11057	End	12708
GI	none	Score	.61
Exons	11057..11536, 11563..11852, 12549..12708		

Seq. No.	12815	Seq. ID	OJ990830_05.9C06.C10
Gene No.	27096	Strand	-
Start	1984	End	12714
Name	OJ990830_05.9C06.C10.o1.tm	Method	TBLASTX:Maize
Start	11107	End	11857
GI	none	Score	62
Exons	11107..11199, 11120..11200, 11239..11310, 11242..11292, 11244..11279, 11354..11416, 11363..11437, 11393..11413, 11473..11511, 11485..11511, 11486..11518, 11594..11635, 11596..11634, 11650..11820, 11651..11743, 11725..11766, 11812..11844, 11825..11857		

Seq. No.	12815	Seq. ID	OJ990830_05.9C06.C10
Gene No.	27096	Strand	-
Start	1984	End	12714

Name	OJ990830_05.9C06.C10.o1.tw	Method	TBLASTX:Wheat
Start	11630	End	12600
GI	none	Score	100
Exons	11630..11743, 11650..11811, 11722..11772, 11824..11847, 11825..11848, 12547..12600		

Seq. No.	12816	Seq. ID	OJ990830_05.9C06.C12
Gene No.	27097	Strand	-
Start	1	End	483
Name	OJ990830_05.9C06.C12.o1.np	Method	AAT/NAP
Start	1	End	483
GI	6729521	Score	124
Exons	1..483		
GI Descrip.	(AL132966) putative protein [Arabidopsis thaliana]		

Seq. No.	12816	Seq. ID	OJ990830_05.9C06.C12
Gene No.	27097	Strand	-
Start	1	End	483
Name	OJ990830_05.9C06.C12.o1.gs	Method	GENSCAN
Start	134	End	475
GI	none	Score	.83
Exons	134..475		

Seq. No.	12816	Seq. ID	OJ990830_05.9C06.C12
Gene No.	27097	Strand	-
Start	1	End	483
Name	OJ990830_05.9C06.C12.o1.gp	Method	AAT/GAP
Start	200	End	411
GI	none	Score	376
Exons	200..411		

Seq. No.	12817	Seq. ID	OJ990830_05.9C06.C14
Gene No.	27098	Strand	+
Start	1327	End	4351
Name	OJ990830_05.9C06.C14.o1.gs	Method	GENSCAN
Start	1327	End	4351
GI	none	Score	.4
Exons	1327..1392, 1602..1670, 2365..2436, 2565..2740, 2766..2881, 4098..4114, 4184..4351		

Seq. No.	12817	Seq. ID	OJ990830_05.9C06.C14
Gene No.	27098	Strand	+
Start	1327	End	4351
Name	OJ990830_05.9C06.C14.o1.gp	Method	AAT/GAP
Start	2210	End	2686
GI	2428494	Score	231
Exons	2210..2315, 2637..2686		

Seq. No.	12817	Seq. ID	OJ990830_05.9C06.C14
Gene No.	27098	Strand	+
Start	1327	End	4351
Name	OJ990830_05.9C06.C14.o1.np	Method	AAT/NAP
Start	2679	End	2884
GI	2145358	Score	133
Exons	2679..2884		
GI Descrip.	(Y10922) HD-Zip protein [Arabidopsis thaliana]		

Seq. No.	12817	Seq. ID	OJ990830_05.9C06.C14
Gene No.	27099	Strand	-
Start	2607	End	3125
Name	OJ990830_05.9C06.C14.o2.gp	Method	AAT/GAP
Start	2607	End	3125
GI	75091_1.R1084	Score	995
Exons	2607..3125		
GI Descrip.	'2145358/emb|CAA71854| 9.0e-09 (Y10922) HD-Zip protein [Arabidopsis thaliana]'		

Seq. No.	12818	Seq. ID	OJ990830_05.9C06.C15
Gene No.	27100	Strand	+
Start	281	End	786
Name	OJ990830_05.9C06.C15.o1.gs	Method	GENSCAN
Start	281	End	786
GI	none	Score	.66
Exons	281..283, 730..786		

Seq. No.	12819	Seq. ID	OJ990830_05.9C06.C16
Gene No.	27101	Strand	-
Start	1967	End	2542
Name	OJ990830_05.9C06.C16.o1.gs	Method	GENSCAN
Start	1967	End	2542
GI	none	Score	.58
Exons	1967..2245, 2468..2542		

Seq. No.	12820	Seq. ID	OJ990830_05.9C06.C18
Gene No.	27102	Strand	+
Start	679	End	5924
Name	OJ990830_05.9C06.C18.o1.gs	Method	GENSCAN
Start	679	End	5557
GI	none	Score	.62
Exons	679..807, 1191..1433, 1494..1720, 2209..2338, 2574..3086, 5060..5557		

Seq. No.	12820	Seq. ID	OJ990830_05.9C06.C18
Gene No.	27102	Strand	+
Start	679	End	5924
Name	OJ990830_05.9C06.C18.o1.np	Method	AAT/NAP
Start	1263	End	5924
GI	6815097	Score	693
Exons	1263..1780, 5113..5470, 5843..5924		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	12820	Seq. ID	OJ990830_05.9C06.C18
Gene No.	27103	Strand	-
Start	4852	End	4961
Name	OJ990830_05.9C06.C18.o1.tc	Method	TBLASTX:Cress
Start	1356	End	1616
GI	none	Score	236
Exons	1356..1616, 1371..1580		

Seq. No.	12820	Seq. ID	OJ990830_05.9C06.C18
Gene No.	27103	Strand	-
Start	4852	End	4961
Name	OJ990830_05.9C06.C18.o1.gp	Method	AAT/GAP

Start	4852	End	4961
GI	uC-osflcyp088b12b1	Score	152
Exons	4852..4961		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	12821	Seq. ID	OJ990830_05.9C06.C19
Gene No.	27104	Strand	-
Start	1434	End	1690
Name	OJ990830_05.9C06.C19.o1.gs	Method	GENSCAN
Start	1434	End	1690
GI	none	Score	.59
Exons	1434..1631, 1646..1690		

Seq. No.	12822	Seq. ID	OJ990830_05.9C06.C21
Gene No.	27105	Strand	+
Start	1	End	4840
Name	OJ990830_05.9C06.C21.o1.np	Method	AAT/NAP
Start	1	End	506
GI	6815097	Score	499
Exons	1..506		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	12822	Seq. ID	OJ990830_05.9C06.C21
Gene No.	27105	Strand	+
Start	1	End	4840
Name	OJ990830_05.9C06.C21.o2.np	Method	AAT/NAP
Start	195	End	2772
GI	2702268	Score	116
Exons	195..228, 2589..2772		
GI Descrip.	(AC003033) putative glucanse [Arabidopsis thaliana]		

Seq. No.	12822	Seq. ID	OJ990830_05.9C06.C21
Gene No.	27105	Strand	+
Start	1	End	4840
Name	OJ990830_05.9C06.C21.o1.gs	Method	GENSCAN
Start	982	End	4840
GI	none	Score	.61
Exons	982..1126, 1938..2132, 2558..2829, 3228..3396, 3861..4121, 4167..4236, 4562..4647, 4836..4840		

Seq. No.	12822	Seq. ID	OJ990830_05.9C06.C21
Gene No.	27105	Strand	+
Start	1	End	4840
Name	OJ990830_05.9C06.C21.o1.gp	Method	AAT/GAP
Start	3772	End	4608
GI	42941_1.R1084	Score	991
Exons	3772..4236, 4562..4608		
GI Descrip.	'2980778/emb|CAA18205.1| 1.0e-09 (AL022198) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	12822	Seq. ID	OJ990830_05.9C06.C21
Gene No.	27106	Strand	-
Start	5905	End	7888
Name	OJ990830_05.9C06.C21.o4.tm	Method	TBLASTX:Maize
Start	5	End	338

GI	none	Score	182
Exons	5..211, 28..204, 219..338, 227..331		

Seq. No.	12822	Seq. ID	OJ990830_05.9C06.C21
Gene No.	27106	Strand	-
Start	5905	End	7888
Name	OJ990830_05.9C06.C21.o6.tm	Method	TBLASTX:Maize
Start	464	End	657
GI	none	Score	220
Exons	464..655, 468..656, 469..657, 541..657		

Seq. No.	12822	Seq. ID	OJ990830_05.9C06.C21
Gene No.	27106	Strand	-
Start	5905	End	7888
Name	OJ990830_05.9C06.C21.o5.tm	Method	TBLASTX:Maize
Start	3753	End	4132
GI	none	Score	45
Exons	3753..3884, 3806..3883, 3892..3993, 3896..4021, 4004..4132, 4013..4129		

Seq. No.	12822	Seq. ID	OJ990830_05.9C06.C21
Gene No.	27106	Strand	-
Start	5905	End	7888
Name	OJ990830_05.9C06.C21.o1.ts	Method	TBLASTX:Soybean
Start	5887	End	6351
GI	none	Score	81
Exons	5887..6105, 5904..6104, 5904..6107, 5917..6111, 6106..6351, 6113..6214		

Seq. No.	12822	Seq. ID	OJ990830_05.9C06.C21
Gene No.	27106	Strand	-
Start	5905	End	7888
Name	OJ990830_05.9C06.C21.o1.tm	Method	TBLASTX:Maize
Start	5893	End	6168
GI	none	Score	197
Exons	5893..6168, 5894..6163		

Seq. No.	12822	Seq. ID	OJ990830_05.9C06.C21
Gene No.	27106	Strand	-
Start	5905	End	7888
Name	OJ990830_05.9C06.C21.o3.np	Method	AAT/NAP
Start	5899	End	7887
GI	5123711	Score	1369
Exons	5899..7473, 7522..7887		
GI Descrip.	(AL079347) putative protein [Arabidopsis thaliana]		

Seq. No.	12822	Seq. ID	OJ990830_05.9C06.C21
Gene No.	27106	Strand	-
Start	5905	End	7888
Name	OJ990830_05.9C06.C21.o2.gs	Method	GENSCAN
Start	5905	End	7866
GI	none	Score	.92
Exons	5905..7866		

Seq. No.	12822	Seq. ID	OJ990830_05.9C06.C21
Gene No.	27106	Strand	-
Start	5905	End	7888

Name	OJ990830_05.9C06.C21.o2.tc	Method	TBLASTX:Cress
Start	6121	End	6676
GI	none	Score	87
Exons	6121..6507, 6446..6676		

Seq. No.	12822	Seq. ID	OJ990830_05.9C06.C21
Gene No.	27106	Strand	-
Start	5905	End	7888
Name	OJ990830_05.9C06.C21.o7.tm	Method	TBLASTX:Maize
Start	6172	End	6330
GI	none	Score	74
Exons	6172..6330, 6173..6325		

Seq. No.	12822	Seq. ID	OJ990830_05.9C06.C21
Gene No.	27106	Strand	-
Start	5905	End	7888
Name	OJ990830_05.9C06.C21.o2.tm	Method	TBLASTX:Maize
Start	6349	End	6673
GI	none	Score	260
Exons	6349..6663, 6349..6600, 6354..6632, 6356..6637, 6413..6673		

Seq. No.	12822	Seq. ID	OJ990830_05.9C06.C21
Gene No.	27106	Strand	-
Start	5905	End	7888
Name	OJ990830_05.9C06.C21.o2.ts	Method	TBLASTX:Soybean
Start	7042	End	7888
GI	none	Score	117
Exons	7042..7269, 7043..7165, 7084..7209, 7195..7443, 7370..7444, 7519..7626, 7811..7888, 7825..7875		

Seq. No.	12822	Seq. ID	OJ990830_05.9C06.C21
Gene No.	27106	Strand	-
Start	5905	End	7888
Name	OJ990830_05.9C06.C21.o1.tc	Method	TBLASTX:Cress
Start	7075	End	7443
GI	none	Score	290
Exons	7075..7443		

Seq. No.	12822	Seq. ID	OJ990830_05.9C06.C21
Gene No.	27106	Strand	-
Start	5905	End	7888
Name	OJ990830_05.9C06.C21.o3.tm	Method	TBLASTX:Maize
Start	7153	End	7569
GI	none	Score	102
Exons	7153..7299, 7153..7443, 7370..7447, 7394..7450, 7522..7569		

Seq. No.	12823	Seq. ID	OJ990830_05.9C06.C22
Gene No.	27107	Strand	-
Start	1	End	167
Name	OJ990830_05.9C06.C22.o1.gp	Method	AAT/GAP
Start	1	End	167
GI	none	Score	327
Exons	1..167		

Seq. No.	12823	Seq. ID	OJ990830_05.9C06.C22
Gene No.	27108	Strand	-
Start	77	End	153

Name	OJ990830_05.9C06.C22.o1.gs	Method	GENSCAN
Start	77	End	153
GI	none	Score	.93
Exons	77..153		

Seq. No.	12824	Seq. ID	OJ990830_05.9C06.C23
Gene No.	27109	Strand	+
Start	1846	End	3744
Name	OJ990830_05.9C06.C23.o1.gs	Method	GENSCAN
Start	1846	End	3339
GI	none	Score	.42
Exons	1846..3339		

Seq. No.	12824	Seq. ID	OJ990830_05.9C06.C23
Gene No.	27109	Strand	+
Start	1846	End	3744
Name	OJ990830_05.9C06.C23.o1.ts	Method	TBLASTX:Soybean
Start	2353	End	3744
GI	none	Score	73
Exons	2353..2556, 2458..2970, 2476..2541, 2493..2927, 2607..2969, 2611..2970, 2613..2969, 2614..2961, 2614..2964, 2616..2948, 2632..2817, 2664..2957, 2704..2988, 2725..2985, 3061..3351, 3361..3696, 3400..3744, 3451..3708, 3454..3735, 3472..3657, 3487..3720, 3565..3744		

Seq. No.	12824	Seq. ID	OJ990830_05.9C06.C23
Gene No.	27109	Strand	+
Start	1846	End	3744
Name	OJ990830_05.9C06.C23.o1.tc	Method	TBLASTX:Cress
Start	2449	End	3744
GI	none	Score	67
Exons	2449..2556, 2482..2556, 2614..2769, 2620..2694, 2620..2868, 2620..2841, 2667..2930, 2671..2892, 2724..2978, 2725..2979, 2788..2988, 2812..2970, 2886..2993, 3088..3342, 3205..3345, 3361..3708, 3361..3528, 3384..3710, 3394..3639, 3454..3714, 3516..3716, 3517..3714, 3547..3744, 3564..3713, 3601..3735		

Seq. No.	12824	Seq. ID	OJ990830_05.9C06.C23
Gene No.	27109	Strand	+
Start	1846	End	3744
Name	OJ990830_05.9C06.C23.o1.tm	Method	TBLASTX:Maize
Start	2620	End	3744
GI	none	Score	106
Exons	2620..2826, 2673..2936, 2674..2937, 2797..2988, 3061..3255, 3211..3351, 3361..3567, 3415..3672, 3505..3738, 3616..3744		

Seq. No.	12825	Seq. ID	OJ990830_05.9C06.C24
Gene No.	27110	Strand	-
Start	1	End	5866
Name	OJ990830_05.9C06.C24.o2.np	Method	AAT/NAP
Start	1	End	4473
GI	2191178	Score	17
Exons	1..48, 3342..3497, 4387..4473		
GI Descrip.	(AF007270) contains similarity to MIPP proteins [Arabidopsis thaliana]		

Seq. No.	12825	Seq. ID	OJ990830_05.9C06.C24

Gene No.	27110	Strand	-
Start	1	End	5866
Name	OJ990830_05.9C06.C24.o1.np	Method	AAT/NAP
Start	485	End	2815
GI	4432860	Score	93
Exons	485..503, 1855..1972, 2648..2815		
GI Descrip.	(AC006300) putative glucose regulated repressor protein [Arabidopsis thaliana]		

Seq. No.	12825	Seq. ID	OJ990830_05.9C06.C24
Gene No.	27110	Strand	-
Start	1	End	5866
Name	OJ990830_05.9C06.C24.o1.gs	Method	GENSCAN
Start	935	End	5866
GI	none	Score	.68
Exons	935..977, 1882..2291, 2658..2915, 3174..3497, 3767..4120, 5404..5542, 5631..5866		

Seq. No.	12825	Seq. ID	OJ990830_05.9C06.C24
Gene No.	27110	Strand	-
Start	1	End	5866
Name	OJ990830_05.9C06.C24.o1.gp	Method	AAT/GAP
Start	1538	End	2106
GI	uC-osflcyp064c01b1	Score	830
Exons	1538..1591, 1616..2106		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	12826	Seq. ID	OJ990830_05.9C06.C26
Gene No.	27111	Strand	+
Start	197	End	523
Name	OJ990830_05.9C06.C26.o1.gs	Method	GENSCAN
Start	197	End	523
GI	none	Score	.94
Exons	197..325, 439..523		

Seq. No.	12827	Seq. ID	OJ990830_05.9C06.C28
Gene No.	27112	Strand	-
Start	718	End	892
Name	OJ990830_05.9C06.C28.o1.gs	Method	GENSCAN
Start	718	End	892
GI	none	Score	.91
Exons	718..892		

Seq. No.	12828	Seq. ID	OJ990830_05.9C06.C29
Gene No.	27113	Strand	+
Start	3656	End	4761
Name	OJ990830_05.9C06.C29.o2.gs	Method	GENSCAN
Start	3656	End	4761
GI	none	Score	1
Exons	3656..3830, 4121..4761		

Seq. No.	12828	Seq. ID	OJ990830_05.9C06.C29
Gene No.	27113	Strand	+
Start	3656	End	4761
Name	OJ990830_05.9C06.C29.o1.np	Method	AAT/NAP
Start	3665	End	4584

GI	6689616	Score	352
Exons	3665..3830, 4121..4584		
GI Descrip.	(AJ012301) proline-rich protein [Zea mays]		

Seq. No.	12828	Seq. ID	OJ990830_05.9C06.C29
Gene No.	27114	Strand	-
Start	132	End	1743
Name	OJ990830_05.9C06.C29.o1.gs	Method	GENSCAN
Start	132	End	1743
GI	none	Score	.56
Exons	132..344, 423..605, 1579..1743		

Seq. No.	12828	Seq. ID	OJ990830_05.9C06.C29
Gene No.	27115	Strand	-
Start	4401	End	4988
Name	OJ990830_05.9C06.C29.o1.gp	Method	AAT/GAP
Start	4401	End	4988
GI	none	Score	1051
Exons	4401..4988		

Seq. No.	12828	Seq. ID	OJ990830_05.9C06.C29
Gene No.	27116	Strand	-
Start	5297	End	6030
Name	OJ990830_05.9C06.C29.o3.gs	Method	GENSCAN
Start	5297	End	6030
GI	none	Score	.54
Exons	5297..5361, 6010..6030		

Seq. No.	12828	Seq. ID	OJ990830_05.9C06.C29
Gene No.	27117	Strand	-
Start	6010	End	6342
Name	OJ990830_05.9C06.C29.o1.tm	Method	TBLASTX:Maize
Start	4119	End	4626
GI	none	Score	129
Exons	4119..4214, 4120..4215, 4261..4326, 4266..4325, 4353..4424, 4354..4434, 4525..4596, 4525..4605, 4603..4626		

Seq. No.	12828	Seq. ID	OJ990830_05.9C06.C29
Gene No.	27117	Strand	-
Start	6010	End	6342
Name	OJ990830_05.9C06.C29.o2.np	Method	AAT/NAP
Start	6010	End	6342
GI	6539570	Score	88
Exons	6010..6076, 6269..6342		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	12829	Seq. ID	OJ990820_07.9C03.C1
Gene No.	27118	Strand	+
Start	331	End	507
Name	OJ990820_07.9C03.C1.o1.gs	Method	GENSCAN
Start	331	End	507
GI	none	Score	.9
Exons	331..507		

Seq. No.	12830	Seq. ID	OJ990820_07.9C03.C2
Gene No.	27119	Strand	-
Start	1760	End	9375

Name	OJ990820_07.9C03.C2.o2.tw	Method	TBLASTX:Wheat
Start	1646	End	8385
GI	none	Score	79
Exons	1646..1741, 1778..1945, 1782..1946, 2439..2597, 8197..8364, 8201..8365, 8347..8385		

Seq. No.	12830	Seq. ID	OJ990820_07.9C03.C2
Gene No.	27119	Strand	-
Start	1760	End	9375
Name	OJ990820_07.9C03.C2.o1.np	Method	AAT/NAP
Start	1689	End	9375
GI	6691210	Score	609
Exons	1689..1977, 2432..2712, 3085..3233, 3394..3609, 4561..4867, 8148..8398, 9018..9375		
GI Descrip.	(AC007508) F1K23.15 [Arabidopsis thaliana]		

Seq. No.	12830	Seq. ID	OJ990820_07.9C03.C2
Gene No.	27119	Strand	-
Start	1760	End	9375
Name	OJ990820_07.9C03.C2.o1.gs	Method	GENSCAN
Start	1760	End	8408
GI	none	Score	.58
Exons	1760..1989, 2441..2657, 3011..3191, 3216..3263, 3378..3579, 4561..4704, 7466..7700, 8249..8408		

Seq. No.	12830	Seq. ID	OJ990820_07.9C03.C2
Gene No.	27119	Strand	-
Start	1760	End	9375
Name	OJ990820_07.9C03.C2.o1.tm	Method	TBLASTX:Maize
Start	1769	End	8401
GI	none	Score	114
Exons	1769..1975, 1785..1976, 2439..2597, 2647..2739, 8188..8394, 8195..8401		

Seq. No.	12830	Seq. ID	OJ990820_07.9C03.C2
Gene No.	27119	Strand	-
Start	1760	End	9375
Name	OJ990820_07.9C03.C2.o1.ts	Method	TBLASTX:Soybean
Start	1781	End	8400
GI	none	Score	87
Exons	1781..1978, 1785..1976, 8191..8400, 8204..8395		

Seq. No.	12830	Seq. ID	OJ990820_07.9C03.C2
Gene No.	27119	Strand	-
Start	1760	End	9375
Name	OJ990820_07.9C03.C2.o1.tc	Method	TBLASTX:Cress
Start	1784	End	8388
GI	none	Score	109
Exons	1784..1969, 1785..1964, 2448..2513, 8203..8388, 8204..8383		

Seq. No.	12830	Seq. ID	OJ990820_07.9C03.C2
Gene No.	27119	Strand	-
Start	1760	End	9375
Name	OJ990820_07.9C03.C2.o1.tw	Method	TBLASTX:Wheat
Start	3497	End	4819
GI	none	Score	122
Exons	3497..3616, 3504..3617, 4556..4819, 4563..4802		

Seq. No.	12831	Seq. ID	OJ990820_07.9C03.C3
Gene No.	27120	Strand	-
Start	144	End	298
Name	OJ990820_07.9C03.C3.o1.gs	Method	GENSCAN
Start	144	End	298
GI	none	Score	.71
Exons	144..298		

Seq. No.	12832	Seq. ID	OJ990820_07.9C03.C5
Gene No.	27121	Strand	+
Start	671	End	797
Name	OJ990820_07.9C03.C5.o1.np	Method	AAT/NAP
Start	671	End	797
GI	6907089	Score	186
Exons	671..797		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	12833	Seq. ID	OJ990820_07.9C03.C6
Gene No.	27122	Strand	+
Start	1	End	5515
Name	OJ990820_07.9C03.C6.o1.gp	Method	AAT/GAP
Start	1	End	385
GI	4878407	Score	597
Exons	1..385		
GI Descrip.	6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	12833	Seq. ID	OJ990820_07.9C03.C6
Gene No.	27122	Strand	+
Start	1	End	5515
Name	OJ990820_07.9C03.C6.o1.np	Method	AAT/NAP
Start	1	End	5515
GI	2586082	Score	402
Exons	1..25, 888..1432, 5490..5515		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	12833	Seq. ID	OJ990820_07.9C03.C6
Gene No.	27122	Strand	+
Start	1	End	5515
Name	OJ990820_07.9C03.C6.o1.gs	Method	GENSCAN
Start	773	End	4032
GI	none	Score	.71
Exons	773..851, 875..1985, 2085..4032		

Seq. No.	12833	Seq. ID	OJ990820_07.9C03.C6
Gene No.	27122	Strand	+
Start	1	End	5515
Name	OJ990820_07.9C03.C6.o2.np	Method	AAT/NAP
Start	1432	End	4029
GI	6907089	Score	2919
Exons	1432..1985, 2085..4029		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	12833	Seq. ID	OJ990820_07.9C03.C6
Gene No.	27123	Strand	-
Start	4653	End	8792

Name	OJ990820_07.9C03.C6.o4.tm	Method	TBLASTX:Maize
Start	895	End	1395
GI	none	Score	67
Exons	895..987, 1149..1349, 1150..1395, 1150..1377, 1365..1394		

Seq. No.	12833	Seq. ID	OJ990820_07.9C03.C6
Gene No.	27123	Strand	-
Start	4653	End	8792
Name	OJ990820_07.9C03.C6.o7.tw	Method	TBLASTX:Wheat
Start	1230	End	1431
GI	none	Score	210
Exons	1230..1397, 1231..1431, 1252..1422		

Seq. No.	12833	Seq. ID	OJ990820_07.9C03.C6
Gene No.	27123	Strand	-
Start	4653	End	8792
Name	OJ990820_07.9C03.C6.o3.np	Method	AAT/NAP
Start	4653	End	8792
GI	6498441	Score	5082
Exons	4653..4934, 5028..6425, 6597..7079, 7272..7512, 7687..7821, 8005..8378, 8442..8792		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	12833	Seq. ID	OJ990820_07.9C03.C6
Gene No.	27123	Strand	-
Start	4653	End	8792
Name	OJ990820_07.9C03.C6.o5.tm	Method	TBLASTX:Maize
Start	4653	End	4794
GI	none	Score	124
Exons	4653..4793, 4654..4794		

Seq. No.	12833	Seq. ID	OJ990820_07.9C03.C6
Gene No.	27123	Strand	-
Start	4653	End	8792
Name	OJ990820_07.9C03.C6.o5.tw	Method	TBLASTX:Wheat
Start	4662	End	5264
GI	none	Score	83
Exons	4662..4787, 4666..4788, 4974..5264, 4981..5259		

Seq. No.	12833	Seq. ID	OJ990820_07.9C03.C6
Gene No.	27123	Strand	-
Start	4653	End	8792
Name	OJ990820_07.9C03.C6.o3.tw	Method	TBLASTX:Wheat
Start	5265	End	5646
GI	none	Score	165
Exons	5265..5645, 5296..5544, 5590..5646		

Seq. No.	12833	Seq. ID	OJ990820_07.9C03.C6
Gene No.	27123	Strand	-
Start	4653	End	8792
Name	OJ990820_07.9C03.C6.o2.tm	Method	TBLASTX:Maize
Start	5460	End	5783
GI	none	Score	192
Exons	5460..5783, 5473..5754		

Seq. No.	12833	Seq. ID	OJ990820_07.9C03.C6
Gene No.	27123	Strand	-
Start	4653	End	8792
Name	OJ990820_07.9C03.C6.o8.tw	Method	TBLASTX:Wheat
Start	5976	End	6288
GI	none	Score	67
Exons	5976..6236, 6112..6288		

Seq. No.	12833	Seq. ID	OJ990820_07.9C03.C6
Gene No.	27123	Strand	-
Start	4653	End	8792
Name	OJ990820_07.9C03.C6.o2.ts	Method	TBLASTX:Soybean
Start	6036	End	6602
GI	5666795	Score	68
Exons	6036..6236, 6291..6428, 6504..6602		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	12833	Seq. ID	OJ990820_07.9C03.C6
Gene No.	27123	Strand	-
Start	4653	End	8792
Name	OJ990820_07.9C03.C6.o4.tw	Method	TBLASTX:Wheat
Start	6291	End	6752
GI	none	Score	92
Exons	6291..6440, 6292..6429, 6294..6431, 6487..6660, 6501..6752, 6501..6725		

Seq. No.	12833	Seq. ID	OJ990820_07.9C03.C6
Gene No.	27123	Strand	-
Start	4653	End	8792
Name	OJ990820_07.9C03.C6.o1.ts	Method	TBLASTX:Soybean
Start	7350	End	7721
GI	none	Score	90
Exons	7350..7721, 7561..7704		

Seq. No.	12833	Seq. ID	OJ990820_07.9C03.C6
Gene No.	27123	Strand	-
Start	4653	End	8792
Name	OJ990820_07.9C03.C6.o2.tw	Method	TBLASTX:Wheat
Start	7375	End	7800
GI	none	Score	333
Exons	7375..7800, 7380..7799		

Seq. No.	12833	Seq. ID	OJ990820_07.9C03.C6
Gene No.	27123	Strand	-
Start	4653	End	8792
Name	OJ990820_07.9C03.C6.o3.tm	Method	TBLASTX:Maize
Start	7473	End	7857
GI	none	Score	225
Exons	7473..7856, 7492..7857		

Seq. No.	12833	Seq. ID	OJ990820_07.9C03.C6
Gene No.	27123	Strand	-
Start	4653	End	8792
Name	OJ990820_07.9C03.C6.o1.tm	Method	TBLASTX:Maize
Start	7884	End	8240
GI	none	Score	116
Exons	7884..8189, 7884..8240, 7894..8205		

Seq. No.	12833	Seq. ID	OJ990820_07.9C03.C6
Gene No.	27123	Strand	-
Start	4653	End	8792
Name	OJ990820_07.9C03.C6.o1.tw	Method	TBLASTX:Wheat
Start	7908	End	8371
GI	none	Score	400
Exons	7908..8369, 7909..8370, 7928..8371		

Seq. No.	12833	Seq. ID	OJ990820_07.9C03.C6
Gene No.	27123	Strand	-
Start	4653	End	8792
Name	OJ990820_07.9C03.C6.o3.ts	Method	TBLASTX:Soybean
Start	7965	End	8330
GI	none	Score	116
Exons	7965..8099, 8106..8330		

Seq. No.	12833	Seq. ID	OJ990820_07.9C03.C6
Gene No.	27123	Strand	-
Start	4653	End	8792
Name	OJ990820_07.9C03.C6.o6.tw	Method	TBLASTX:Wheat
Start	8538	End	8789
GI	none	Score	136
Exons	8538..8789, 8566..8781		

Seq. No.	12834	Seq. ID	OJ990820_07.9C03.C7
Gene No.	27124	Strand	-
Start	1	End	2344
Name	OJ990820_07.9C03.C7.o1.np	Method	AAT/NAP
Start	1	End	2344
GI	5042454	Score	2448
Exons	1..80, 305..1718, 1774..1880, 2194..2344		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	12834	Seq. ID	OJ990820_07.9C03.C7
Gene No.	27124	Strand	-
Start	1	End	2344
Name	OJ990820_07.9C03.C7.o1.gs	Method	GENSCAN
Start	28	End	1984
GI	none	Score	.77
Exons	28..1718, 1774..1984		

Seq. No.	12834	Seq. ID	OJ990820_07.9C03.C7
Gene No.	27124	Strand	-
Start	1	End	2344
Name	OJ990820_07.9C03.C7.o1.tw	Method	TBLASTX:Wheat
Start	654	End	1046
GI	none	Score	83
Exons	654..911, 766..927, 894..992, 895..975, 999..1046		

Seq. No.	12834	Seq. ID	OJ990820_07.9C03.C7
Gene No.	27124	Strand	-
Start	1	End	2344
Name	OJ990820_07.9C03.C7.o1.tm	Method	TBLASTX:Maize
Start	756	End	1041
GI	none	Score	89
Exons	756..1004, 757..1041		

Seq. No.	12835	Seq. ID	OJ990820_07.9C03.C8
Gene No.	27125	Strand	+
Start	993	End	2579
Name	OJ990820_07.9C03.C8.o1.np	Method	AAT/NAP
Start	993	End	2579
GI	4680204	Score	708
Exons	993..2426, 2501..2579		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	12835	Seq. ID	OJ990820_07.9C03.C8
Gene No.	27125	Strand	+
Start	993	End	2579
Name	OJ990820_07.9C03.C8.o1.gs	Method	GENSCAN
Start	1008	End	2426
GI	none	Score	.64
Exons	1008..1851, 1912..2426		

Seq. No.	12835	Seq. ID	OJ990820_07.9C03.C8
Gene No.	27125	Strand	+
Start	993	End	2579
Name	OJ990820_07.9C03.C8.o1.tw	Method	TBLASTX:Wheat
Start	1638	End	2036
GI	none	Score	135
Exons	1638..1796, 1805..1891, 1955..2035, 1959..2036		

Seq. No.	12836	Seq. ID	OJ990820_07.9C03.C9
Gene No.	27126	Strand	+
Start	138	End	1890
Name	OJ990820_07.9C03.C9.o1.gs	Method	GENSCAN
Start	138	End	1890
GI	none	Score	.73
Exons	138..785, 895..1068, 1165..1275, 1360..1432, 1527..1625, 1705..1890		

Seq. No.	12836	Seq. ID	OJ990820_07.9C03.C9
Gene No.	27127	Strand	+
Start	2266	End	2413
Name	OJ990820_07.9C03.C9.o1.gp	Method	AAT/GAP
Start	2266	End	2413
GI	21474_1.R1084	Score	259
Exons	2266..2413		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	12836	Seq. ID	OJ990820_07.9C03.C9
Gene No.	27128	Strand	+
Start	4835	End	5348
Name	OJ990820_07.9C03.C9.o2.gs	Method	GENSCAN
Start	4835	End	5348
GI	none	Score	.7
Exons	4835..5127, 5246..5348		

Seq. No.	12836	Seq. ID	OJ990820_07.9C03.C9
Gene No.	27129	Strand	-
Start	6514	End	7391
Name	OJ990820_07.9C03.C9.o3.gs	Method	GENSCAN

Start	6514	End	7391
GI	none	Score	.65
Exons	6514..6623, 7346..7391		

Seq. No.	12836	Seq. ID	OJ990820_07.9C03.C9
Gene No.	27130	Strand	-
Start	11802	End	13637
Name	OJ990820_07.9C03.C9.o1.tw	Method	TBLASTX:Wheat
Start	712	End	1234
GI	none	Score	60
Exons	712..792, 881..1063, 931..1056, 1163..1234		

Seq. No.	12836	Seq. ID	OJ990820_07.9C03.C9
Gene No.	27130	Strand	-
Start	11802	End	13637
Name	OJ990820_07.9C03.C9.o3.np	Method	AAT/NAP
Start	11802	End	13637
GI	6006359	Score	86
Exons	11802..11828, 13550..13637		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	12836	Seq. ID	OJ990820_07.9C03.C9
Gene No.	27130	Strand	-
Start	11802	End	13637
Name	OJ990820_07.9C03.C9.o5.gs	Method	GENSCAN
Start	12781	End	12932
GI	none	Score	.58
Exons	12781..12932		

Seq. No.	12837	Seq. ID	OJ990820_07.9C03.C10
Gene No.	27131	Strand	+
Start	66	End	915
Name	OJ990820_07.9C03.C10.o1.gs	Method	GENSCAN
Start	66	End	915
GI	none	Score	.96
Exons	66..203, 509..602, 805..915		

Seq. No.	12837	Seq. ID	OJ990820_07.9C03.C10
Gene No.	27132	Strand	-
Start	3017	End	4111
Name	OJ990820_07.9C03.C10.o2.gs	Method	GENSCAN
Start	3017	End	4111
GI	none	Score	.65
Exons	3017..3172, 3995..4111		

Seq. No.	12838	Seq. ID	OJ990820_07.9C03.C11
Gene No.	27133	Strand	+
Start	46	End	2278
Name	OJ990820_07.9C03.C11.o1.gs	Method	GENSCAN
Start	46	End	2278
GI	none	Score	.88
Exons	46..231, 291..631, 2210..2278		

Seq. No.	12838	Seq. ID	OJ990820_07.9C03.C11
Gene No.	27134	Strand	-
Start	1	End	1468
Name	OJ990820_07.9C03.C11.o1.np	Method	AAT/NAP

Start	1	End	1468
GI	5922630	Score	133
Exons	1..62, 274..540, 1387..1468		
GI Descrip.	(AP000492) EST C98748(E3038) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016863|dbj|BAA85206.1| (AP000570) EST C98748(E3038) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	12838	Seq. ID	OJ990820_07.9C03.C11
Gene No.	27135	Strand	-
Start	1443	End	1648
Name	OJ990820_07.9C03.C11.o2.np	Method	AAT/NAP
Start	1443	End	1648
GI	4680186	Score	82
Exons	1443..1648		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	12839	Seq. ID	OJ990820_07.9C03.C12
Gene No.	27136	Strand	+
Start	582	End	1645
Name	OJ990820_07.9C03.C12.o1.np	Method	AAT/NAP
Start	582	End	1645
GI	6539588	Score	155
Exons	582..882, 1329..1645		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	12839	Seq. ID	OJ990820_07.9C03.C12
Gene No.	27136	Strand	+
Start	582	End	1645
Name	OJ990820_07.9C03.C12.o1.gs	Method	GENSCAN
Start	666	End	1023
GI	none	Score	.66
Exons	666..832, 1001..1023		

Seq. No.	12839	Seq. ID	OJ990820_07.9C03.C12
Gene No.	27136	Strand	+
Start	582	End	1645
Name	OJ990820_07.9C03.C12.o2.gs	Method	GENSCAN
Start	1374	End	1610
GI	none	Score	.58
Exons	1374..1456, 1514..1610		

Seq. No.	12839	Seq. ID	OJ990820_07.9C03.C12
Gene No.	27137	Strand	+
Start	2441	End	6043
Name	OJ990820_07.9C03.C12.o2.np	Method	AAT/NAP
Start	2441	End	6043
GI	4680183	Score	4755
Exons	2441..4906, 5402..5444, 5532..5947, 6018..6043		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	12839	Seq. ID	OJ990820_07.9C03.C12
Gene No.	27137	Strand	+
Start	2441	End	6043
Name	OJ990820_07.9C03.C12.o3.gs	Method	GENSCAN
Start	2441	End	5224

GI	none	Score	1
Exons	2441..5224		

Seq. No.	12839	Seq. ID	OJ990820_07.9C03.C12
Gene No.	27137	Strand	+
Start	2441	End	6043
Name	OJ990820_07.9C03.C12.o3.tw	Method	TBLASTX:Wheat
Start	3730	End	4132
GI	none	Score	294
Exons	3730..3999, 3731..4132		

Seq. No.	12839	Seq. ID	OJ990820_07.9C03.C12
Gene No.	27137	Strand	+
Start	2441	End	6043
Name	OJ990820_07.9C03.C12.o2.tw	Method	TBLASTX:Wheat
Start	4706	End	5383
GI	none	Score	149
Exons	4706..4882, 4769..4882, 4927..5163, 4931..5161, 5231..5383		

Seq. No.	12839	Seq. ID	OJ990820_07.9C03.C12
Gene No.	27137	Strand	+
Start	2441	End	6043
Name	OJ990820_07.9C03.C12.o2.tm	Method	TBLASTX:Maize
Start	5014	End	5161
GI	none	Score	183
Exons	5014..5160, 5015..5161		

Seq. No.	12839	Seq. ID	OJ990820_07.9C03.C12
Gene No.	27137	Strand	+
Start	2441	End	6043
Name	OJ990820_07.9C03.C12.o1.tw	Method	TBLASTX:Wheat
Start	5383	End	5839
GI	none	Score	488
Exons	5383..5838, 5384..5839		

Seq. No.	12839	Seq. ID	OJ990820_07.9C03.C12
Gene No.	27137	Strand	+
Start	2441	End	6043
Name	OJ990820_07.9C03.C12.o1.ts	Method	TBLASTX:Soybean
Start	5423	End	5788
GI	none	Score	138
Exons	5423..5647, 5654..5788		

Seq. No.	12839	Seq. ID	OJ990820_07.9C03.C12
Gene No.	27137	Strand	+
Start	2441	End	6043
Name	OJ990820_07.9C03.C12.o4.gs	Method	GENSCAN
Start	5438	End	5728
GI	none	Score	.94
Exons	5438..5728		

Seq. No.	12839	Seq. ID	OJ990820_07.9C03.C12
Gene No.	27137	Strand	+
Start	2441	End	6043
Name	OJ990820_07.9C03.C12.o1.tm	Method	TBLASTX:Maize
Start	5513	End	5869
GI	none	Score	371

Exons	5513..5869, 5554..5859, 5576..5869		
Seq. No.	12839	Seq. ID	OJ990820_07.9C03.C12
Gene No.	27137	Strand	+
Start	2441	End	6043
Name	OJ990820_07.9C03.C12.o4.tw	Method	TBLASTX:Wheat
Start	5839	End	6043
GI	none	Score	254
Exons	5839..6030, 5840..6043		
Seq. No.	12840	Seq. ID	OJ990820_07.9C03.C13
Gene No.	27138	Strand	+
Start	1	End	2120
Name	OJ990820_07.9C03.C13.o1.np	Method	AAT/NAP
Start	1	End	2117
GI	5902445	Score	3605
Exons	1..2117		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	12840	Seq. ID	OJ990820_07.9C03.C13
Gene No.	27138	Strand	+
Start	1	End	2120
Name	OJ990820_07.9C03.C13.o1.gs	Method	GENSCAN
Start	46	End	2120
GI	none	Score	.41
Exons	46..109, 181..2120		
Seq. No.	12840	Seq. ID	OJ990820_07.9C03.C13
Gene No.	27139	Strand	-
Start	2437	End	3520
Name	OJ990820_07.9C03.C13.o4.tw	Method	TBLASTX:Wheat
Start	2	End	252
GI	none	Score	229
Exons	2..250, 3..248, 154..252		
Seq. No.	12840	Seq. ID	OJ990820_07.9C03.C13
Gene No.	27139	Strand	-
Start	2437	End	3520
Name	OJ990820_07.9C03.C13.o1.ts	Method	TBLASTX:Soybean
Start	243	End	631
GI	none	Score	88
Exons	243..347, 251..631, 387..629		
Seq. No.	12840	Seq. ID	OJ990820_07.9C03.C13
Gene No.	27139	Strand	-
Start	2437	End	3520
Name	OJ990820_07.9C03.C13.o2.tw	Method	TBLASTX:Wheat
Start	252	End	674
GI	none	Score	416
Exons	252..674, 260..664		
Seq. No.	12840	Seq. ID	OJ990820_07.9C03.C13
Gene No.	27139	Strand	-
Start	2437	End	3520
Name	OJ990820_07.9C03.C13.o3.tm	Method	TBLASTX:Maize
Start	305	End	578
GI	none	Score	126

Exons	305..475, 306..476, 480..578, 512..577		
Seq. No.	12840	Seq. ID	OJ990820_07.9C03.C13
Gene No.	27139	Strand	-
Start	2437	End	3520
Name	OJ990820_07.9C03.C13.o5.tw	Method	TBLASTX:Wheat
Start	690	End	989
GI	none	Score	134
Exons	690..824, 849..989		
Seq. No.	12840	Seq. ID	OJ990820_07.9C03.C13
Gene No.	27139	Strand	-
Start	2437	End	3520
Name	OJ990820_07.9C03.C13.o1.tm	Method	TBLASTX:Maize
Start	987	End	1349
GI	none	Score	447
Exons	987..1310, 1007..1321, 1007..1297, 1301..1348, 1302..1349		
Seq. No.	12840	Seq. ID	OJ990820_07.9C03.C13
Gene No.	27139	Strand	-
Start	2437	End	3520
Name	OJ990820_07.9C03.C13.o1.tw	Method	TBLASTX:Wheat
Start	992	End	1379
GI	none	Score	420
Exons	992..1303, 993..1379, 1194..1379		
Seq. No.	12840	Seq. ID	OJ990820_07.9C03.C13
Gene No.	27139	Strand	-
Start	2437	End	3520
Name	OJ990820_07.9C03.C13.o4.tm	Method	TBLASTX:Maize
Start	1451	End	1724
GI	none	Score	95
Exons	1451..1549, 1452..1550, 1541..1615, 1545..1628, 1638..1724		
Seq. No.	12840	Seq. ID	OJ990820_07.9C03.C13
Gene No.	27139	Strand	-
Start	2437	End	3520
Name	OJ990820_07.9C03.C13.o3.tw	Method	TBLASTX:Wheat
Start	1494	End	2108
GI	none	Score	257
Exons	1494..1754, 1655..1756, 1827..1985, 1971..2108, 1982..2104		
Seq. No.	12840	Seq. ID	OJ990820_07.9C03.C13
Gene No.	27139	Strand	-
Start	2437	End	3520
Name	OJ990820_07.9C03.C13.o2.tm	Method	TBLASTX:Maize
Start	1836	End	2069
GI	none	Score	152
Exons	1836..1988, 1937..1987, 1967..2068, 1968..2069		
Seq. No.	12840	Seq. ID	OJ990820_07.9C03.C13
Gene No.	27139	Strand	-
Start	2437	End	3520
Name	OJ990820_07.9C03.C13.o2.gs	Method	GENSCAN
Start	2437	End	3330
GI	none	Score	.94
Exons	2437..2885, 2958..3062, 3135..3330		

Seq. No.	12840	Seq. ID	OJ990820_07.9C03.C13
Gene No.	27139	Strand	-
Start	2437	End	3520
Name	OJ990820_07.9C03.C13.o2.np	Method	AAT/NAP
Start	2440	End	3520
GI	6691716	Score	772
Exons	2440..2885, 2958..3070, 3221..3324, 3401..3520		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	12841	Seq. ID	OJ990820_07.9C03.C14
Gene No.	27140	Strand	+
Start	2737	End	6039
Name	OJ990820_07.9C03.C14.o2.gs	Method	GENSCAN
Start	2737	End	6039
GI	none	Score	.69
Exons	2737..2817, 4964..5057, 5762..6039		

Seq. No.	12841	Seq. ID	OJ990820_07.9C03.C14
Gene No.	27141	Strand	-
Start	42	End	1757
Name	OJ990820_07.9C03.C14.o1.gs	Method	GENSCAN
Start	42	End	1757
GI	none	Score	.85
Exons	42..786, 873..1757		

Seq. No.	12841	Seq. ID	OJ990820_07.9C03.C14
Gene No.	27141	Strand	-
Start	42	End	1757
Name	OJ990820_07.9C03.C14.o1.np	Method	AAT/NAP
Start	864	End	1757
GI	5902448	Score	1548
Exons	864..1757		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	12841	Seq. ID	OJ990820_07.9C03.C14
Gene No.	27142	Strand	-
Start	6485	End	10647
Name	OJ990820_07.9C03.C14.o1.tw	Method	TBLASTX:Wheat
Start	1347	End	1637
GI	none	Score	211
Exons	1347..1637		

Seq. No.	12841	Seq. ID	OJ990820_07.9C03.C14
Gene No.	27142	Strand	-
Start	6485	End	10647
Name	OJ990820_07.9C03.C14.o3.gs	Method	GENSCAN
Start	6485	End	10647
GI	none	Score	.6
Exons	6485..6727, 6941..7219, 10539..10647		

Seq. No.	12842	Seq. ID	OJ990820_07.9C03.C15
Gene No.	27143	Strand	+
Start	246	End	297
Name	OJ990820_07.9C03.C15.o1.gs	Method	GENSCAN

Start	246	End	297
GI	none	Score	.88
Exons	246..297		

Seq. No.	12843	Seq. ID	OJ990820_07.9C03.C16
Gene No.	27144	Strand	+
Start	1	End	1914
Name	OJ990820_07.9C03.C16.o1.gp	Method	AAT/GAP
Start	1	End	1294
GI	3859115	Score	1950
Exons	1..240, 336..491, 602..1294		
GI Descrip.	3859116 1.0e-159 (AF031609) unknown [Oryza sativa]		

Seq. No.	12843	Seq. ID	OJ990820_07.9C03.C16
Gene No.	27144	Strand	+
Start	1	End	1914
Name	OJ990820_07.9C03.C16.o1.np	Method	AAT/NAP
Start	1	End	1003
GI	3859116	Score	1188
Exons	1..240, 336..491, 602..1003		
GI Descrip.	(AF031609) unknown [Oryza sativa]		

Seq. No.	12843	Seq. ID	OJ990820_07.9C03.C16
Gene No.	27144	Strand	+
Start	1	End	1914
Name	OJ990820_07.9C03.C16.o1.tc	Method	TBLASTX:Cress
Start	51	End	425
GI	none	Score	244
Exons	51..209, 52..246, 330..425		

Seq. No.	12843	Seq. ID	OJ990820_07.9C03.C16
Gene No.	27144	Strand	+
Start	1	End	1914
Name	OJ990820_07.9C03.C16.o2.tm	Method	TBLASTX:Maize
Start	51	End	371
GI	none	Score	302
Exons	51..209, 52..246, 56..238, 330..371		

Seq. No.	12843	Seq. ID	OJ990820_07.9C03.C16
Gene No.	27144	Strand	+
Start	1	End	1914
Name	OJ990820_07.9C03.C16.o2.tw	Method	TBLASTX:Wheat
Start	52	End	254
GI	none	Score	307
Exons	52..246, 55..246, 57..254		

Seq. No.	12843	Seq. ID	OJ990820_07.9C03.C16
Gene No.	27144	Strand	+
Start	1	End	1914
Name	OJ990820_07.9C03.C16.o1.gs	Method	GENSCAN
Start	115	End	1914
GI	none	Score	.71
Exons	115..240, 336..491, 602..754, 806..945, 1245..1353, 1864..1914		

Seq. No.	12843	Seq. ID	OJ990820_07.9C03.C16
Gene No.	27144	Strand	+
Start	1	End	1914

Name	OJ990820_07.9C03.C16.o1.tw	Method	TBLASTX:Wheat
Start	357	End	868
GI	none	Score	197
Exons	357..491, 359..493, 392..490, 602..868, 605..865, 796..867	588..758, 588..857, 598..759,	

Seq. No.	12843	Seq. ID	OJ990820_07.9C03.C16
Gene No.	27144	Strand	+
Start	1	End	1914
Name	OJ990820_07.9C03.C16.o1.ts	Method	TBLASTX:Soybean
Start	369	End	697
GI	none	Score	178
Exons	369..491, 371..493, 398..481,	592..696, 596..697	

Seq. No.	12843	Seq. ID	OJ990820_07.9C03.C16
Gene No.	27144	Strand	+
Start	1	End	1914
Name	OJ990820_07.9C03.C16.o1.tm	Method	TBLASTX:Maize
Start	402	End	769
GI	none	Score	142
Exons	402..491, 404..502, 404..490, 602..769	589..738, 600..755, 602..769,	

Seq. No.	12843	Seq. ID	OJ990820_07.9C03.C16
Gene No.	27144	Strand	+
Start	1	End	1914
Name	OJ990820_07.9C03.C16.o2.tc	Method	TBLASTX:Cress
Start	426	End	769
GI	none	Score	85
Exons	426..491, 596..769		

Seq. No.	12843	Seq. ID	OJ990820_07.9C03.C16
Gene No.	27144	Strand	+
Start	1	End	1914
Name	OJ990820_07.9C03.C16.o3.tm	Method	TBLASTX:Maize
Start	796	End	1026
GI	none	Score	112
Exons	796..879, 797..925, 917..1024,	919..1026, 925..1026	

Seq. No.	12844	Seq. ID	OJ990820_07.9C03.C17
Gene No.	27145	Strand	+
Start	2727	End	2985
Name	OJ990820_07.9C03.C17.o2.gs	Method	GENSCAN
Start	2727	End	2985
GI	none	Score	1
Exons	2727..2985		

Seq. No.	12844	Seq. ID	OJ990820_07.9C03.C17
Gene No.	27146	Strand	-
Start	27	End	1059
Name	OJ990820_07.9C03.C17.o1.np	Method	AAT/NAP
Start	27	End	1059
GI	6358804	Score	191
Exons	27..355, 507..1059		
GI Descrip.	(AC010675) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12844	Seq. ID	OJ990820_07.9C03.C17

Gene No.	27146	Strand	-
Start	27	End	1059
Name	OJ990820_07.9C03.C17.o1.gs	Method	GENSCAN
Start	120	End	1059
GI	none	Score	.98
Exons	120..373, 472..1059		

Seq. No.	12845	Seq. ID	OJ990820_07.9C03.C18
Gene No.	27147	Strand	+
Start	757	End	3152
Name	OJ990820_07.9C03.C18.o1.gs	Method	GENSCAN
Start	757	End	3152
GI	none	Score	.86
Exons	757..923, 1007..1162, 1546..1704, 2451..2518, 2633..3022, 3104..3152		

Seq. No.	12845	Seq. ID	OJ990820_07.9C03.C18
Gene No.	27147	Strand	+
Start	757	End	3152
Name	OJ990820_07.9C03.C18.o1.np	Method	AAT/NAP
Start	762	End	2807
GI	5731756	Score	310
Exons	762..923, 1007..1162, 1546..1704, 1805..1888, 2448..2502, 2617..2807		
GI Descrip.	(AL109819) putative protein [Arabidopsis thaliana]		

Seq. No.	12846	Seq. ID	OJ990820_07.9C03.C19
Gene No.	27148	Strand	+
Start	618	End	3716
Name	OJ990820_07.9C03.C19.o1.gs	Method	GENSCAN
Start	618	End	2441
GI	none	Score	.83
Exons	618..779, 1394..1549, 1892..1943, 2017..2175, 2334..2441		

Seq. No.	12846	Seq. ID	OJ990820_07.9C03.C19
Gene No.	27148	Strand	+
Start	618	End	3716
Name	OJ990820_07.9C03.C19.o1.np	Method	AAT/NAP
Start	1394	End	3716
GI	5731756	Score	64
Exons	1394..1669, 2033..2188, 3635..3716		
GI Descrip.	(AL109819) putative protein [Arabidopsis thaliana]		

Seq. No.	12847	Seq. ID	OJ990820_07.9C03.C20
Gene No.	27149	Strand	+
Start	96	End	2518
Name	OJ990820_07.9C03.C20.o1.gs	Method	GENSCAN
Start	96	End	1335
GI	none	Score	.79
Exons	96..1335		

Seq. No.	12847	Seq. ID	OJ990820_07.9C03.C20
Gene No.	27149	Strand	+
Start	96	End	2518
Name	OJ990820_07.9C03.C20.o1.gp	Method	AAT/GAP
Start	601	End	1073
GI	none	Score	930

Exons	601..1073		
Seq. No.	12847	Seq. ID	OJ990820_07.9C03.C20
Gene No.	27149	Strand	+
Start	96	End	2518
Name	OJ990820_07.9C03.C20.o2.gp	Method	AAT/GAP
Start	1213	End	2518
GI	30097_1.R1084	Score	618
Exons	1213..1318, 2082..2219, 2301..2351, 2475..2518		
GI Descrip.	'1710805/sp|P54681|RTOA_DICDI 6.0e-09 RTOA PROTEIN (RATIO-A) >gi_1206019 (U48298) rtoA gene product [Dictyostelium discoideum]'		
Seq. No.	12847	Seq. ID	OJ990820_07.9C03.C20
Gene No.	27150	Strand	-
Start	2027	End	2189
Name	OJ990820_07.9C03.C20.o1.tm	Method	TBLASTX:Maize
Start	617	End	1073
GI	none	Score	55
Exons	617..667, 650..817, 664..816, 733..834, 814..840, 858..884, 887..1072, 888..1073		
Seq. No.	12847	Seq. ID	OJ990820_07.9C03.C20
Gene No.	27150	Strand	-
Start	2027	End	2189
Name	OJ990820_07.9C03.C20.o2.gs	Method	GENSCAN
Start	2027	End	2189
GI	none	Score	.86
Exons	2027..2189		
Seq. No.	12848	Seq. ID	OJ990820_07.9C03.C22
Gene No.	27151	Strand	+
Start	538	End	1185
Name	OJ990820_07.9C03.C22.o1.np	Method	AAT/NAP
Start	538	End	1185
GI	6691211	Score	138
Exons	538..803, 996..1185		
GI Descrip.	(AC007508) F1K23.16 [Arabidopsis thaliana]		
Seq. No.	12848	Seq. ID	OJ990820_07.9C03.C22
Gene No.	27151	Strand	+
Start	538	End	1185
Name	OJ990820_07.9C03.C22.o1.tw	Method	TBLASTX:Wheat
Start	593	End	1107
GI	none	Score	160
Exons	593..781, 597..764, 746..808, 766..801, 1011..1100, 1012..1107		
Seq. No.	12849	Seq. ID	OJ990820_07.9C03.C23
Gene No.	27152	Strand	+
Start	1	End	3866
Name	OJ990820_07.9C03.C23.o1.np	Method	AAT/NAP
Start	1	End	3866
GI	6691210	Score	648
Exons	1..29, 564..761, 1794..2154, 2251..2471, 2588..2727, 2939..3217, 3560..3866		
GI Descrip.	(AC007508) F1K23.15 [Arabidopsis thaliana]		

Seq. No.	12849	Seq. ID	OJ990820_07.9C03.C23
Gene No.	27152	Strand	+
Start	1	End	3866
Name	OJ990820_07.9C03.C23.o2.gs	Method	GENSCAN
Start	1914	End	3767
GI	none	Score	.7
Exons	1914..2154, 2367..2471, 2579..2727, 3043..3213, 3579..3767		

Seq. No.	12849	Seq. ID	OJ990820_07.9C03.C23
Gene No.	27153	Strand	-
Start	511	End	3787
Name	OJ990820_07.9C03.C23.o1.gs	Method	GENSCAN
Start	511	End	813
GI	none	Score	.59
Exons	511..813		

Seq. No.	12849	Seq. ID	OJ990820_07.9C03.C23
Gene No.	27153	Strand	-
Start	511	End	3787
Name	OJ990820_07.9C03.C23.o1.tc	Method	TBLASTX:Cress
Start	568	End	3760
GI	none	Score	199
Exons	568..762, 2933..2995, 2994..3050, 3057..3185, 3599..3703, 3600..3737, 3734..3760		

Seq. No.	12849	Seq. ID	OJ990820_07.9C03.C23
Gene No.	27153	Strand	-
Start	511	End	3787
Name	OJ990820_07.9C03.C23.o1.ts	Method	TBLASTX:Soybean
Start	568	End	3787
GI	none	Score	203
Exons	568..765, 3599..3727, 3600..3728, 3734..3787		

Seq. No.	12849	Seq. ID	OJ990820_07.9C03.C23
Gene No.	27153	Strand	-
Start	511	End	3787
Name	OJ990820_07.9C03.C23.o1.tm	Method	TBLASTX:Maize
Start	571	End	3749
GI	none	Score	185
Exons	571..768, 642..707, 682..771, 1947..2042, 2037..2159, 2277..2366, 2313..2366, 2393..2464, 2407..2451, 2435..2542, 2576..2629, 2577..2714, 2584..2727, 2592..2726, 2936..2995, 2978..3205, 2984..3166, 2994..3215, 2997..3203, 3599..3721, 3600..3749		

Seq. No.	12849	Seq. ID	OJ990820_07.9C03.C23
Gene No.	27153	Strand	-
Start	511	End	3787
Name	OJ990820_07.9C03.C23.o2.tw	Method	TBLASTX:Wheat
Start	601	End	3766
GI	none	Score	192
Exons	601..768, 682..741, 3057..3218, 3602..3733, 3603..3734, 3678..3746, 3734..3766		

Seq. No.	12849	Seq. ID	OJ990820_07.9C03.C23
Gene No.	27153	Strand	-
Start	511	End	3787

Name	OJ990820_07.9C03.C23.o1.tw	Method	TBLASTX:Wheat
Start	1913	End	2363
GI	none	Score	59
Exons	1913..2002, 1913..2152, 1914..2159, 1915..2178, 2044..2154, 2225..2350, 2225..2350, 2226..2363, 2250..2360		

Seq. No.	12850	Seq. ID	OJ990820_07.9C03.C24
Gene No.	27154	Strand	+
Start	503	End	1403
Name	OJ990820_07.9C03.C24.o1.gs	Method	GENSCAN
Start	503	End	1403
GI	none	Score	.89
Exons	503..545, 1218..1403		

Seq. No.	12851	Seq. ID	OJ990820_07.9C03.C25
Gene No.	27155	Strand	+
Start	54	End	360
Name	OJ990820_07.9C03.C25.o1.gs	Method	GENSCAN
Start	54	End	360
GI	none	Score	.93
Exons	54..360		

Seq. No.	12851	Seq. ID	OJ990820_07.9C03.C25
Gene No.	27156	Strand	-
Start	1044	End	1157
Name	OJ990820_07.9C03.C25.o2.gs	Method	GENSCAN
Start	1044	End	1157
GI	none	Score	.48
Exons	1044..1157		

Seq. No.	12852	Seq. ID	OJ990820_07.9C03.C26
Gene No.	27157	Strand	+
Start	594	End	1023
Name	OJ990820_07.9C03.C26.o1.gp	Method	AAT/GAP
Start	594	End	1023
GI	none	Score	860
Exons	594..1023		

Seq. No.	12852	Seq. ID	OJ990820_07.9C03.C26
Gene No.	27158	Strand	+
Start	1053	End	1278
Name	OJ990820_07.9C03.C26.o2.gp	Method	AAT/GAP
Start	1053	End	1278
GI	39307_1.R1084	Score	439
Exons	1053..1278		
GI Descrip.	'3875708/emb|CAA84658| 2.0e-09 (Z35598) Asparagine, Serine and Glycine rich predicted protein [Caenorhabditis elegans] >gi_3880108_emb_CAA86461.1_ (Z46343) Asparagine, Serine and Glycine rich predicted protein [Caenorhabditis elegans]'		

Seq. No.	12852	Seq. ID	OJ990820_07.9C03.C26
Gene No.	27159	Strand	-
Start	806	End	1260
Name	OJ990820_07.9C03.C26.o1.gs	Method	GENSCAN
Start	806	End	1260
GI	none	Score	.41
Exons	806..1260		

Seq. No.	12853	Seq. ID	OJ990820_07.9C03.C27
Gene No.	27160	Strand	-
Start	349	End	503
Name	OJ990820_07.9C03.C27.o1.gs	Method	GENSCAN
Start	349	End	503
GI	none	Score	.83
Exons	349..503		

Seq. No.	12854	Seq. ID	OJ990820_07.9C03.C28
Gene No.	27161	Strand	+
Start	1	End	978
Name	OJ990820_07.9C03.C28.o1.gp	Method	AAT/GAP
Start	1	End	978
GI	342_1.R1084	Score	1710
Exons	1..978		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	12854	Seq. ID	OJ990820_07.9C03.C28
Gene No.	27161	Strand	+
Start	1	End	978
Name	OJ990820_07.9C03.C28.o1.np	Method	AAT/NAP
Start	1	End	978
GI	6742729	Score	1465
Exons	1..978		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	12854	Seq. ID	OJ990820_07.9C03.C28
Gene No.	27161	Strand	+
Start	1	End	978
Name	OJ990820_07.9C03.C28.o1.gs	Method	GENSCAN
Start	232	End	931
GI	none	Score	.84
Exons	232..931		

Seq. No.	12854	Seq. ID	OJ990820_07.9C03.C28
Gene No.	27161	Strand	+
Start	1	End	978
Name	OJ990820_07.9C03.C28.o1.tw	Method	TBLASTX:Wheat
Start	296	End	975
GI	none	Score	99
Exons	296..547, 296..739, 309..974, 312..752, 313..975		

Seq. No.	12854	Seq. ID	OJ990820_07.9C03.C28
Gene No.	27161	Strand	+
Start	1	End	978
Name	OJ990820_07.9C03.C28.o1.tm	Method	TBLASTX:Maize
Start	316	End	630
GI	none	Score	316
Exons	316..630, 327..602, 400..630		

Seq. No.	12854	Seq. ID	OJ990820_07.9C03.C28
Gene No.	27161	Strand	+
Start	1	End	978
Name	OJ990820_07.9C03.C28.o1.tc	Method	TBLASTX:Cress
Start	557	End	975

GI	none	Score	111
Exons	557..739, 561..716, 561..974, 565..975, 571..975		
Seq. No.	12855	Seq. ID	OJ990820_07.9C03.C30
Gene No.	27162	Strand	+
Start	266	End	1193
Name	OJ990820_07.9C03.C30.o1.gp	Method	AAT/GAP
Start	266	End	1193
GI	2310235	Score	306
Exons	266..303, 716..855, 1146..1193		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	12855	Seq. ID	OJ990820_07.9C03.C30
Gene No.	27162	Strand	+
Start	266	End	1193
Name	OJ990820_07.9C03.C30.o1.gs	Method	GENSCAN
Start	716	End	1175
GI	none	Score	.8
Exons	716..1175		
Seq. No.	12855	Seq. ID	OJ990820_07.9C03.C30
Gene No.	27162	Strand	+
Start	266	End	1193
Name	OJ990820_07.9C03.C30.o1.np	Method	AAT/NAP
Start	716	End	1045
GI	5852182	Score	429
Exons	716..1045		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	12856	Seq. ID	OJ990820_07.9C03.C31
Gene No.	27163	Strand	+
Start	941	End	1234
Name	OJ990820_07.9C03.C31.o1.gs	Method	GENSCAN
Start	941	End	1234
GI	none	Score	.54
Exons	941..1028, 1200..1234		
Seq. No.	12857	Seq. ID	OJ990820_07.9C03.C32
Gene No.	27164	Strand	-
Start	1368	End	2484
Name	OJ990820_07.9C03.C32.o1.gs	Method	GENSCAN
Start	1368	End	2332
GI	none	Score	.6
Exons	1368..1829, 1955..2196, 2224..2332		
Seq. No.	12857	Seq. ID	OJ990820_07.9C03.C32
Gene No.	27164	Strand	-
Start	1368	End	2484
Name	OJ990820_07.9C03.C32.o1.np	Method	AAT/NAP
Start	1371	End	2484
GI	2586082	Score	1333
Exons	1371..2484		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		
Seq. No.	12857	Seq. ID	OJ990820_07.9C03.C32
Gene No.	27164	Strand	-

Start	1368	End	2484
Name	OJ990820_07.9C03.C32.o1.tc	Method	TBLASTX:Cress
Start	1404	End	1746
GI	none	Score	58
Exons	1404..1613, 1494..1613, 1611..1745, 1624..1746		

Seq. No.	12857	Seq. ID	OJ990820_07.9C03.C32
Gene No.	27164	Strand	-
Start	1368	End	2484
Name	OJ990820_07.9C03.C32.o1.ts	Method	TBLASTX:Soybean
Start	1422	End	2017
GI	none	Score	87
Exons	1422..1598, 1423..1599, 1626..1820, 1627..1824, 1627..1821, 1676..1888, 1823..2017		

Seq. No.	12857	Seq. ID	OJ990820_07.9C03.C32
Gene No.	27164	Strand	-
Start	1368	End	2484
Name	OJ990820_07.9C03.C32.o1.tm	Method	TBLASTX:Maize
Start	1428	End	1826
GI	none	Score	105
Exons	1428..1715, 1438..1593, 1494..1595, 1636..1716, 1716..1823, 1722..1826		

Seq. No.	12857	Seq. ID	OJ990820_07.9C03.C32
Gene No.	27164	Strand	-
Start	1368	End	2484
Name	OJ990820_07.9C03.C32.o1.tw	Method	TBLASTX:Wheat
Start	1782	End	2218
GI	none	Score	45
Exons	1782..1823, 1783..1824, 1823..2218, 1838..2053, 1860..2156		

Seq. No.	12857	Seq. ID	OJ990820_07.9C03.C32
Gene No.	27164	Strand	-
Start	1368	End	2484
Name	OJ990820_07.9C03.C32.o2.tm	Method	TBLASTX:Maize
Start	1829	End	2099
GI	none	Score	164
Exons	1829..2098, 1830..2099		

Seq. No.	12857	Seq. ID	OJ990820_07.9C03.C32
Gene No.	27164	Strand	-
Start	1368	End	2484
Name	OJ990820_07.9C03.C32.o3.tm	Method	TBLASTX:Maize
Start	2159	End	2483
GI	none	Score	45
Exons	2159..2254, 2199..2318, 2321..2482, 2424..2483		

Seq. No.	12857	Seq. ID	OJ990820_07.9C03.C32
Gene No.	27164	Strand	-
Start	1368	End	2484
Name	OJ990820_07.9C03.C32.o2.ts	Method	TBLASTX:Soybean
Start	2321	End	2483
GI	none	Score	65
Exons	2321..2482, 2339..2479, 2355..2483		

Seq. No.	12858	Seq. ID	OJ990920_04.9C10.C1

Gene No.	27165	Strand	-
Start	1	End	2006
Name	OJ990920_04.9C10.C1.o1.np	Method	AAT/NAP
Start	1	End	2006
GI	4539346	Score	545
Exons	1..128, 478..608, 826..961, 1107..1277, 1352..1503, 1811..2006		
GI Descrip.	(AL035539) putative protein [Arabidopsis thaliana]		

Seq. No.	12858	Seq. ID	OJ990920_04.9C10.C1
Gene No.	27165	Strand	-
Start	1	End	2006
Name	OJ990920_04.9C10.C1.o1.tm	Method	TBLASTX:Maize
Start	1	End	1447
GI	none	Score	87
Exons	1..69, 3..86, 468..581, 475..576, 510..581, 824..955, 824..958, 825..959, 825..959, 1118..1258, 1121..1249, 1373..1447, 1389..1445		

Seq. No.	12859	Seq. ID	OJ990920_04.9C10.C2
Gene No.	27166	Strand	+
Start	7382	End	11326
Name	OJ990920_04.9C10.C2.o1.gp	Method	AAT/GAP
Start	7382	End	8554
GI	9262_1.R1084	Score	1156
Exons	7382..7832, 7956..8006, 8314..8401, 8491..8554		
GI Descrip.	'4539332/emb|CAB37480.1| 2.0e-26 (AL035539) glycosyltransferase like protein (fragment) [Arabidopsis thaliana]'		

Seq. No.	12859	Seq. ID	OJ990920_04.9C10.C2
Gene No.	27166	Strand	+
Start	7382	End	11326
Name	OJ990920_04.9C10.C2.o3.np	Method	AAT/NAP
Start	7764	End	11326
GI	4539332	Score	542
Exons	7764..7832, 7956..8010, 8318..8401, 8491..8567, 9412..9491, 9822..9867, 9950..10014, 10912..11169, 11234..11326		
GI Descrip.	(AL035539) glycosyltransferase like protein (fragment) [Arabidopsis thaliana]		

Seq. No.	12859	Seq. ID	OJ990920_04.9C10.C2
Gene No.	27167	Strand	-
Start	156	End	2339
Name	OJ990920_04.9C10.C2.o1.gs	Method	GENSCAN
Start	156	End	2339
GI	none	Score	1
Exons	156..2339		

Seq. No.	12859	Seq. ID	OJ990920_04.9C10.C2
Gene No.	27168	Strand	-
Start	2742	End	8730
Name	OJ990920_04.9C10.C2.o3.ts	Method	TBLASTX:Soybean
Start	564	End	1502
GI	none	Score	61
Exons	564..749, 762..902, 864..1181, 1371..1502		

Seq. No.	12859	Seq. ID	OJ990920_04.9C10.C2
Gene No.	27168	Strand	-

Start	2742	End	8730
Name	OJ990920_04.9C10.C2.o2.tw	Method	TBLASTX:Wheat
Start	573	End	1664
GI	none	Score	89
Exons	573..773, 657..821, 774..1079, 784..1083, 1020..1220, 1380..1664, 1393..1596		

Seq. No.	12859	Seq. ID	OJ990920_04.9C10.C2
Gene No.	27168	Strand	-
Start	2742	End	8730
Name	OJ990920_04.9C10.C2.o3.tm	Method	TBLASTX:Maize
Start	585	End	1892
GI	none	Score	102
Exons	585..755, 771..1061, 772..1059, 1134..1220, 1383..1682, 1411..1599, 1680..1892		

Seq. No.	12859	Seq. ID	OJ990920_04.9C10.C2
Gene No.	27168	Strand	-
Start	2742	End	8730
Name	OJ990920_04.9C10.C2.o2.tc	Method	TBLASTX:Cress
Start	765	End	1901
GI	none	Score	70
Exons	765..929, 765..1184, 765..902, 766..969, 774..1034, 1134..1220, 1381..1563, 1386..1664, 1386..1499, 1419..1901, 1593..1892, 1671..1790, 1671..1799, 1680..1841		

Seq. No.	12859	Seq. ID	OJ990920_04.9C10.C2
Gene No.	27168	Strand	-
Start	2742	End	8730
Name	OJ990920_04.9C10.C2.o1.np	Method	AAT/NAP
Start	2728	End	4567
GI	6554482	Score	812
Exons	2728..3802, 4465..4567		
GI Descrip.	(AC012394) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	12859	Seq. ID	OJ990920_04.9C10.C2
Gene No.	27168	Strand	-
Start	2742	End	8730
Name	OJ990920_04.9C10.C2.o2.gs	Method	GENSCAN
Start	2742	End	3836
GI	none	Score	.92
Exons	2742..3836		

Seq. No.	12859	Seq. ID	OJ990920_04.9C10.C2
Gene No.	27168	Strand	-
Start	2742	End	8730
Name	OJ990920_04.9C10.C2.o1.tc	Method	TBLASTX:Cress
Start	2799	End	3725
GI	none	Score	56
Exons	2799..2978, 2967..3008, 3063..3305, 3093..3305, 3151..3306, 3337..3387, 3349..3606, 3402..3605, 3618..3725, 3622..3672		

Seq. No.	12859	Seq. ID	OJ990920_04.9C10.C2
Gene No.	27168	Strand	-
Start	2742	End	8730
Name	OJ990920_04.9C10.C2.o1.tm	Method	TBLASTX:Maize
Start	2803	End	3717

GI	none	Score	102
Exons	2803..2952, 2808..2975, 2967..3008, 3060..3386, 3078..3332, 3148..3387, 3417..3605, 3421..3603, 3624..3716, 3631..3717		

Seq. No.	12859	Seq. ID	OJ990920_04.9C10.C2
Gene No.	27168	Strand	-
Start	2742	End	8730
Name	OJ990920_04.9C10.C2.o1.ts	Method	TBLASTX:Soybean
Start	2805	End	3720
GI	none	Score	98
Exons	2805..2984, 2809..2970, 3063..3386, 3073..3237, 3286..3363, 3390..3605, 3421..3603, 3609..3719, 3622..3720		

Seq. No.	12859	Seq. ID	OJ990920_04.9C10.C2
Gene No.	27168	Strand	-
Start	2742	End	8730
Name	OJ990920_04.9C10.C2.o1.tw	Method	TBLASTX:Wheat
Start	3063	End	3381
GI	none	Score	112
Exons	3063..3305, 3151..3237, 3337..3381		

Seq. No.	12859	Seq. ID	OJ990920_04.9C10.C2
Gene No.	27168	Strand	-
Start	2742	End	8730
Name	OJ990920_04.9C10.C2.o2.np	Method	AAT/NAP
Start	4289	End	6425
GI	4153896	Score	93
Exons	4289..4308, 5344..5578, 5886..6175, 6402..6425		
GI Descrip.	(AB022209) ribonucleoprotein F [Rattus norvegicus]		

Seq. No.	12859	Seq. ID	OJ990920_04.9C10.C2
Gene No.	27168	Strand	-
Start	2742	End	8730
Name	OJ990920_04.9C10.C2.o2.tm	Method	TBLASTX:Maize
Start	5222	End	6445
GI	none	Score	40
Exons	5222..5278, 5223..5321, 5323..5454, 5327..5461, 5328..5465, 5340..5462, 5444..5566, 5454..5576, 5454..5576, 5455..5577, 5834..6274, 5839..6264, 5873..6274, 5892..6275, 5939..6067, 6049..6090, 6086..6163, 6261..6428, 6267..6368, 6272..6376, 6327..6383, 6363..6404, 6410..6445		

Seq. No.	12859	Seq. ID	OJ990920_04.9C10.C2
Gene No.	27168	Strand	-
Start	2742	End	8730
Name	OJ990920_04.9C10.C2.o3.gs	Method	GENSCAN
Start	5250	End	8730
GI	none	Score	.59
Exons	5250..5593, 5741..5760, 5991..6223, 8677..8730		

Seq. No.	12859	Seq. ID	OJ990920_04.9C10.C2
Gene No.	27168	Strand	-
Start	2742	End	8730
Name	OJ990920_04.9C10.C2.o2.ts	Method	TBLASTX:Soybean
Start	5514	End	6433
GI	none	Score	257
Exons	5514..5582, 5882..6172, 5901..6173, 5901..6179, 5917..6180,		

6327..6428, 6328..6384, 6330..6392, 6338..6433

Seq. No.	12859	Seq. ID	OJ990920_04.9C10.C2
Gene No.	27169	Strand	
Start	10945	End	11325
Name	OJ990920_04.9C10.C2.o4.tm	Method	TBLASTX:Maize
Start	10945	End	11325
GI	none	Score	109
Exons	10945..11013, 10946..11035, 11086..11166, 11091..11174, 11100..11168, 11230..11325, 11245..11325		

Seq. No.	12859	Seq. ID	OJ990920_04.9C10.C2
Gene No.	27169	Strand	
Start	10945	End	11325
Name	OJ990920_04.9C10.C2.o3.tc	Method	TBLASTX:Cress
Start	10948	End	11325
GI	none	Score	95
Exons	10948..11010, 10949..11035, 11086..11166, 11103..11174, 11245..11325, 11249..11323		

Seq. No.	12859	Seq. ID	OJ990920_04.9C10.C2
Gene No.	27169	Strand	
Start	10945	End	11325
Name	OJ990920_04.9C10.C2.o4.ts	Method	TBLASTX:Soybean
Start	10952	End	11325
GI	none	Score	95
Exons	10952..11035, 10954..11010, 11086..11166, 11103..11174, 11245..11325, 11251..11322		

Seq. No.	12860	Seq. ID	OJ990920_04.9C10.C3
Gene No.	27170	Strand	+
Start	1	End	196
Name	OJ990920_04.9C10.C3.o1.gp	Method	AAT/GAP
Start	1	End	196
GI	1082_1.R1084	Score	298
Exons	1..196		
GI Descrip.	'1402910/emb|CAA66960| 1.0e-24 (X98316) peroxidase [Arabidopsis thaliana] >gi_1429223_emb_CAA67550_ (X99096) peroxidase [Arabidopsis thaliana]'		

Seq. No.	12860	Seq. ID	OJ990920_04.9C10.C3
Gene No.	27171	Strand	+
Start	274	End	620
Name	OJ990920_04.9C10.C3.o1.gs	Method	GENSCAN
Start	274	End	620
GI	none	Score	.75
Exons	274..353, 519..601, 603..620		

Seq. No.	12861	Seq. ID	OJ990920_04.9C10.C5
Gene No.	27172	Strand	+
Start	1	End	1685
Name	OJ990920_04.9C10.C5.o1.gp	Method	AAT/GAP
Start	1	End	278
GI	LIB3432-017-P1-K1-C11	Score	536
Exons	1..278		
GI Descrip.	'4263722/gb|AAD15408| 4.0e-49 (AC006223) putative glucan synthase [Arabidopsis thaliana]'		

Seq. No.	12861	Seq. ID	OJ990920_04.9C10.C5
Gene No.	27172	Strand	+
Start	1	End	1685
Name	OJ990920_04.9C10.C5.o1.np	Method	AAT/NAP
Start	1	End	1571
GI	3935157	Score	1429
Exons	1..607, 1049..1247, 1326..1571		
GI Descrip.	(AC005106) T25N20.21 [Arabidopsis thaliana]		

Seq. No.	12861	Seq. ID	OJ990920_04.9C10.C5
Gene No.	27172	Strand	+
Start	1	End	1685
Name	OJ990920_04.9C10.C5.o1.ts	Method	TBLASTX:Soybean
Start	2	End	419
GI	none	Score	579
Exons	2..100, 3..419, 6..401, 140..409		

Seq. No.	12861	Seq. ID	OJ990920_04.9C10.C5
Gene No.	27172	Strand	+
Start	1	End	1685
Name	OJ990920_04.9C10.C5.o2.tw	Method	TBLASTX:Wheat
Start	3	End	239
GI	none	Score	391
Exons	3..230, 3..239, 5..232, 94..237		

Seq. No.	12861	Seq. ID	OJ990920_04.9C10.C5
Gene No.	27172	Strand	+
Start	1	End	1685
Name	OJ990920_04.9C10.C5.o2.tc	Method	TBLASTX:Cress
Start	6	End	230
GI	none	Score	295
Exons	6..227, 8..103, 48..230		

Seq. No.	12861	Seq. ID	OJ990920_04.9C10.C5
Gene No.	27172	Strand	+
Start	1	End	1685
Name	OJ990920_04.9C10.C5.o1.gs	Method	GENSCAN
Start	48	End	1574
GI	none	Score	.96
Exons	48..617, 723..773, 805..852, 1062..1247, 1326..1574		

Seq. No.	12861	Seq. ID	OJ990920_04.9C10.C5
Gene No.	27172	Strand	+
Start	1	End	1685
Name	OJ990920_04.9C10.C5.o1.tm	Method	TBLASTX:Maize
Start	57	End	1574
GI	none	Score	589
Exons	57..449, 59..508, 59..103, 69..449, 140..610, 498..596, 714..779, 1041..1247, 1056..1118, 1179..1253, 1326..1574, 1340..1570		

Seq. No.	12861	Seq. ID	OJ990920_04.9C10.C5
Gene No.	27172	Strand	+
Start	1	End	1685
Name	OJ990920_04.9C10.C5.o3.tc	Method	TBLASTX:Cress
Start	255	End	502

GI	none	Score	201
Exons	255..449, 270..449, 284..502, 337..498		

Seq. No.	12861	Seq. ID	OJ990920_04.9C10.C5
Gene No.	27172	Strand	+
Start	1	End	1685
Name	OJ990920_04.9C10.C5.o2.ts	Method	TBLASTX:Soybean
Start	485	End	1584
GI	none	Score	55
Exons	485..595, 487..588, 494..592, 498..599, 714..779, 723..773, 1056..1118, 1061..1243, 1061..1126, 1071..1244, 1176..1253, 1320..1574, 1323..1541, 1343..1573, 1477..1584		

Seq. No.	12861	Seq. ID	OJ990920_04.9C10.C5
Gene No.	27172	Strand	+
Start	1	End	1685
Name	OJ990920_04.9C10.C5.o1.tw	Method	TBLASTX:Wheat
Start	1077	End	1575
GI	none	Score	57
Exons	1077..1247, 1080..1118, 1082..1243, 1179..1253, 1326..1571, 1337..1573, 1477..1575		

Seq. No.	12861	Seq. ID	OJ990920_04.9C10.C5
Gene No.	27172	Strand	+
Start	1	End	1685
Name	OJ990920_04.9C10.C5.o1.tc	Method	TBLASTX:Cress
Start	1109	End	1576
GI	none	Score	99
Exons	1109..1246, 1113..1247, 1179..1253, 1326..1574, 1328..1576, 1361..1573		

Seq. No.	12861	Seq. ID	OJ990920_04.9C10.C5
Gene No.	27172	Strand	+
Start	1	End	1685
Name	OJ990920_04.9C10.C5.o2.gp	Method	AAT/GAP
Start	1188	End	1685
GI	17247_2.R1084	Score	752
Exons	1188..1247, 1326..1685		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	12862	Seq. ID	OJ990920_04.9C10.C6
Gene No.	27173	Strand	+
Start	68	End	474
Name	OJ990920_04.9C10.C6.o1.gp	Method	AAT/GAP
Start	68	End	474
GI	none	Score	799
Exons	68..474		

Seq. No.	12862	Seq. ID	OJ990920_04.9C10.C6
Gene No.	27174	Strand	+
Start	383	End	1470
Name	OJ990920_04.9C10.C6.o1.gs	Method	GENSCAN
Start	383	End	1470
GI	none	Score	.55
Exons	383..1470		

Seq. No.	12862	Seq. ID	OJ990920_04.9C10.C6
Gene No.	27175	Strand	+
Start	2379	End	3025
Name	OJ990920_04.9C10.C6.o2.gp	Method	AAT/GAP
Start	2365	End	2619
GI	none	Score	498
Exons	2365..2619		

Seq. No.	12862	Seq. ID	OJ990920_04.9C10.C6
Gene No.	27175	Strand	+
Start	2379	End	3025
Name	OJ990920_04.9C10.C6.o2.gs	Method	GENSCAN
Start	2379	End	3025
GI	none	Score	.84
Exons	2379..2661, 2741..2849, 3016..3025		

Seq. No.	12862	Seq. ID	OJ990920_04.9C10.C6
Gene No.	27176	Strand	-
Start	4810	End	4818
Name	OJ990920_04.9C10.C6.o1.ts	Method	TBLASTX:Maize
Start	697	End	
GI	none	Score	
Exons	697..891		

Seq. No.	12862	Seq. ID	OJ990920_04.9C10.C6
Gene No.	27176	Strand	-
Start	4810	End	4818
Name	OJ990920_04.9C10.C6.o1.tm	Method	TBLASTX:Maize
Start	703	End	1018
GI	none	Score	259
Exons	703..888, 823..888, 940..1017, 952..1017, 956..1018		

Seq. No.	12862	Seq. ID	OJ990920_04.9C10.C6
Gene No.	27176	Strand	-
Start	4810	End	4818
Name	OJ990920_04.9C10.C6.o2.tm	Method	TBLASTX:Maize
Start	2598	End	2967
GI	none	Score	87
Exons	2598..2663, 2606..2665, 2735..2845, 2739..2846, 2739..2849, 2740..2850, 2740..2850, 2892..2963, 2910..2963, 2926..2967		

Seq. No.	12862	Seq. ID	OJ990920_04.9C10.C6
Gene No.	27176	Strand	-
Start	4810	End	4818
Name	OJ990920_04.9C10.C6.o3.gs	Method	GENSCAN
Start	4810	End	4818
GI	none	Score	.45
Exons	4810..4818		

Seq. No.	12863	Seq. ID	OJ990920_04.9C10.C8
Gene No.	27177	Strand	+
Start	270	End	1257
Name	OJ990920_04.9C10.C8.o1.gs	Method	GENSCAN
Start	270	End	890
GI	none	Score	.86
Exons	270..326, 362..499, 577..680, 797..890		

Seq. No.	12863	Seq. ID	OJ990920_04.9C10.C8
Gene No.	27177	Strand	+
Start	270	End	1257
Name	OJ990920_04.9C10.C8.o1.np	Method	AAT/NAP
Start	374	End	1257
GI	4836907	Score	301
Exons	374..499, 604..680, 797..887, 1099..1257		
GI Descrip.	(AC007153) Highly similar to putative callose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	12864	Seq. ID	OJ990920_04.9C10.C9
Gene No.	27178	Strand	+
Start	1	End	1173
Name	OJ990920_04.9C10.C9.o1.np	Method	AAT/NAP
Start	1	End	1173
GI	4836907	Score	637
Exons	1..229, 312..395, 483..599, 699..791, 891..982, 1072..1173		
GI Descrip.	(AC007153) Highly similar to putative callose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	12864	Seq. ID	OJ990920_04.9C10.C9
Gene No.	27178	Strand	+
Start	1	End	1173
Name	OJ990920_04.9C10.C9.o1.ts	Method	TBLASTX:Soybean
Start	131	End	737
GI	none	Score	70
Exons	131..208, 133..171, 282..398, 282..398, 480..602, 480..602, 696..737		

Seq. No.	12864	Seq. ID	OJ990920_04.9C10.C9
Gene No.	27178	Strand	+
Start	1	End	1173
Name	OJ990920_04.9C10.C9.o1.gs	Method	GENSCAN
Start	285	End	1142
GI	none	Score	.89
Exons	285..395, 483..599, 891..982, 1072..1142		

Seq. No.	12864	Seq. ID	OJ990920_04.9C10.C9
Gene No.	27178	Strand	+
Start	1	End	1173
Name	OJ990920_04.9C10.C9.o1.tc	Method	TBLASTX:Cress
Start	300	End	737
GI	none	Score	141
Exons	300..398, 300..410, 474..605, 474..602, 675..737		

Seq. No.	12864	Seq. ID	OJ990920_04.9C10.C9
Gene No.	27178	Strand	+
Start	1	End	1173
Name	OJ990920_04.9C10.C9.o1.tw	Method	TBLASTX:Wheat
Start	661	End	1172
GI	none	Score	84
Exons	661..783, 674..799, 681..794, 882..983, 894..983, 895..984, 1070..1171, 1073..1171, 1113..1172		

Seq. No.	12865	Seq. ID	OJ990920_04.9C10.C10
Gene No.	27179	Strand	+
Start	1	End	458

Name	OJ990920_04.9C10.C10.o1.np	Method	AAT/NAP
Start	1	End	458
GI	5922631	Score	315
Exons	1..458		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	12865	Seq. ID	OJ990920_04.9C10.C10
Gene No.	27180	Strand	+
Start	530	End	772
Name	OJ990920_04.9C10.C10.o1.tw	Method	TBLASTX:Wheat
Start	440	End	772
GI	none	Score	287
Exons	440..772, 454..648, 657..704		

Seq. No.	12865	Seq. ID	OJ990920_04.9C10.C10
Gene No.	27180	Strand	+
Start	530	End	772
Name	OJ990920_04.9C10.C10.o2.np	Method	AAT/NAP
Start	530	End	772
GI	5902445	Score	372
Exons	530..772		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	12866	Seq. ID	OJ990920_04.9C10.C11
Gene No.	27181	Strand	+
Start	8615	End	9038
Name	OJ990920_04.9C10.C11.o1.gp	Method	AAT/GAP
Start	8615	End	9038
GI	none	Score	818
Exons	8615..9038		

Seq. No.	12866	Seq. ID	OJ990920_04.9C10.C11
Gene No.	27182	Strand	+
Start	9851	End	10223
Name	OJ990920_04.9C10.C11.o2.gp	Method	AAT/GAP
Start	9851	End	10223
GI	5667192	Score	720
Exons	9851..10223		

Seq. No.	12866	Seq. ID	OJ990920_04.9C10.C11
Gene No.	27183	Strand	-
Start	306	End	1479
Name	OJ990920_04.9C10.C11.o1.gs	Method	GENSCAN
Start	306	End	1479
GI	none	Score	.81
Exons	306..688, 798..987, 1081..1479		

Seq. No.	12866	Seq. ID	OJ990920_04.9C10.C11
Gene No.	27184	Strand	-
Start	11184	End	11324
Name	OJ990920_04.9C10.C11.o1.ts	Method	TBLASTX:Soybean

Start	7367	End	7834
GI	none	Score	100
Exons	7367..7480, 7534..7632, 7535..7675, 7709..7834, 7735..7830		

Seq. No.	12866	Seq. ID	OJ990920_04.9C10.C11
Gene No.	27184	Strand	-
Start	11184	End	11324
Name	OJ990920_04.9C10.C11.o1.tm	Method	TBLASTX:Maize
Start	7388	End	7623
GI	none	Score	126
Exons	7388..7489, 7388..7513, 7390..7524, 7428..7514, 7499..7603, 7508..7621, 7519..7623		

Seq. No.	12866	Seq. ID	OJ990920_04.9C10.C11
Gene No.	27184	Strand	-
Start	11184	End	11324
Name	OJ990920_04.9C10.C11.o3.gs	Method	GENSCAN
Start	11184	End	11324
GI	none	Score	.61
Exons	11184..11324		

Seq. No.	12867	Seq. ID	OJ990920_04.9C10.C12
Gene No.	27185	Strand	-
Start	191	End	3264
Name	OJ990920_04.9C10.C12.o1.np	Method	AAT/NAP
Start	191	End	3264
GI	6822324	Score	517
Exons	191..355, 442..506, 2699..2762, 2867..2976, 3080..3264		
GI Descrip.	(AF218381) small GTP binding protein RACDP [Oryza sativa subsp. japonica]		

Seq. No.	12867	Seq. ID	OJ990920_04.9C10.C12
Gene No.	27185	Strand	-
Start	191	End	3264
Name	OJ990920_04.9C10.C12.o1.tc	Method	TBLASTX:Cress
Start	237	End	3212
GI	none	Score	78
Exons	237..356, 290..355, 441..506, 442..489, 443..508, 2694..2765, 2701..2763, 2849..3004, 2868..2978, 3078..3212, 3079..3168		

Seq. No.	12867	Seq. ID	OJ990920_04.9C10.C12
Gene No.	27185	Strand	-
Start	191	End	3264
Name	OJ990920_04.9C10.C12.o1.tm	Method	TBLASTX:Maize
Start	237	End	3212
GI	none	Score	98
Exons	237..359, 290..355, 291..356, 441..506, 442..489, 446..508, 459..506, 2694..2765, 2701..2763, 2849..3004, 2868..2978, 3078..3167, 3078..3212, 3079..3168		

Seq. No.	12867	Seq. ID	OJ990920_04.9C10.C12
Gene No.	27185	Strand	-
Start	191	End	3264
Name	OJ990920_04.9C10.C12.o1.ts	Method	TBLASTX:Soybean
Start	237	End	3212
GI	none	Score	103
Exons	237..356, 290..355, 442..489, 446..508, 2694..2765, 2701..2763,		

2849..3004, 2862..2951, 2875..2967, 3078..3212, 3079..3168

Seq. No.	12867	Seq. ID	OJ990920_04.9C10.C12
Gene No.	27185	Strand	-
Start	191	End	3264
Name	OJ990920_04.9C10.C12.o1.gp	Method	AAT/GAP
Start	290	End	3167
GI	1082_1.R1084	Score	668
Exons	290..355, 442..506, 2699..2762, 2867..2976, 3080..3167		
GI Descrip.	'1402910/emb|CAA66960| 1.0e-24 (X98316) peroxidase [Arabidopsis thaliana] >gi_1429223_emb_CAA67550_ (X99096) peroxidase [Arabidopsis thaliana]'		

Seq. No.	12867	Seq. ID	OJ990920_04.9C10.C12
Gene No.	27185	Strand	-
Start	191	End	3264
Name	OJ990920_04.9C10.C12.o1.tw	Method	TBLASTX:Wheat
Start	290	End	2945
GI	none	Score	92
Exons	290..355, 291..356, 291..356, 292..357, 441..506, 442..489, 443..508, 459..506, 2681..2764, 2694..2783, 2701..2763, 2826..2945, 2862..2927, 2864..2944		

Seq. No.	12868	Seq. ID	OJ990920_04.9C10.C13
Gene No.	27186	Strand	+
Start	4334	End	4586
Name	OJ990920_04.9C10.C13.o2.gp	Method	AAT/GAP
Start	4334	End	4586
GI	4714532	Score	463
Exons	4334..4586		

Seq. No.	12868	Seq. ID	OJ990920_04.9C10.C13
Gene No.	27187	Strand	+
Start	8146	End	12797
Name	OJ990920_04.9C10.C13.o3.gs	Method	GENSCAN
Start	8146	End	12769
GI	none	Score	.45
Exons	8146..8264, 8876..8933, 9018..9110, 9179..9332, 9412..9551, 9869..11268, 11365..11638, 11705..12769		

Seq. No.	12868	Seq. ID	OJ990920_04.9C10.C13
Gene No.	27187	Strand	+
Start	8146	End	12797
Name	OJ990920_04.9C10.C13.o1.np	Method	AAT/NAP
Start	8970	End	12797
GI	5922631	Score	3856
Exons	8970..9412, 9458..10029, 10072..10223, 10350..11276, 11883..12797		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	12868	Seq. ID	OJ990920_04.9C10.C13

Gene No.	27188	Strand	-
Start	1	End	424
Name	OJ990920_04.9C10.C13.o1.gp	Method	AAT/GAP
Start	1	End	424
GI	1082_1.R1084	Score	344
Exons	1..19, 227..424		
GI Descrip.	'1402910/emb|CAA66960| 1.0e-24 (X98316) peroxidase [Arabidopsis thaliana] >gi_1429223_emb_CAA67550_ (X99096) peroxidase [Arabidopsis thaliana]'		

Seq. No.	12868	Seq. ID	OJ990920_04.9C10.C13
Gene No.	27189	Strand	-
Start	3275	End	5636
Name	OJ990920_04.9C10.C13.o2.gs	Method	GENSCAN
Start	3275	End	5636
GI	none	Score	.54
Exons	3275..3377, 3645..3786, 3842..3929, 4517..5038, 5143..5331, 5409..5636		

Seq. No.	12868	Seq. ID	OJ990920_04.9C10.C13
Gene No.	27189	Strand	-
Start	3275	End	5636
Name	OJ990920_04.9C10.C13.o1.tc	Method	TBLASTX:Cress
Start	4487	End	5465
GI	none	Score	79
Exons	4487..4810, 4494..4835, 4787..4969, 4821..4907, 4947..5012, 4970..5038, 5143..5337, 5147..5332, 5409..5465, 5410..5460		

Seq. No.	12868	Seq. ID	OJ990920_04.9C10.C13
Gene No.	27189	Strand	-
Start	3275	End	5636
Name	OJ990920_04.9C10.C13.o1.ts	Method	TBLASTX:Soybean
Start	4532	End	5465
GI	none	Score	72
Exons	4532..4810, 4695..4835, 4787..4969, 4821..4970, 4968..5039, 4970..5065, 5149..5337, 5150..5332, 5409..5465, 5413..5460		

Seq. No.	12868	Seq. ID	OJ990920_04.9C10.C13
Gene No.	27189	Strand	-
Start	3275	End	5636
Name	OJ990920_04.9C10.C13.o6.tw	Method	TBLASTX:Wheat
Start	4805	End	5441
GI	none	Score	97
Exons	4805..5038, 4845..5036, 5143..5283, 5147..5203, 5254..5337, 5412..5441		

Seq. No.	12868	Seq. ID	OJ990920_04.9C10.C13
Gene No.	27189	Strand	-
Start	3275	End	5636
Name	OJ990920_04.9C10.C13.o2.tm	Method	TBLASTX:Maize
Start	4821	End	5337
GI	none	Score	40
Exons	4821..4892, 4823..5035, 4914..5036, 5131..5334, 5150..5335, 5254..5337		

Seq. No.	12868	Seq. ID	OJ990920_04.9C10.C13
Gene No.	27189	Strand	-

Start	3275	End	5636
Name	OJ990920_04.9C10.C13.o3.gp	Method	AAT/GAP
Start	4948	End	5323
GI	428783	Score	471
Exons	4948..5038, 5143..5323		
GI Descrip.	1402910/emb|CAA66960| 1.0e-24 (X98316) peroxidase [Arabidopsis thaliana] >gi_1429223_emb_CAA67550_ (X99096) peroxidase [Arabidopsis thaliana]		

Seq. No.	12868	Seq. ID	OJ990920_04.9C10.C13
Gene No.	27190	Strand	
Start	9634	End	10036
Name	OJ990920_04.9C10.C13.o5.tw	Method	TBLASTX:Wheat
Start	9634	End	10036
GI	none	Score	268
Exons	9634..9738, 9635..10036		

Seq. No.	12868	Seq. ID	OJ990920_04.9C10.C13
Gene No.	27191	Strand	
Start	10649	End	11101
Name	OJ990920_04.9C10.C13.o3.tw	Method	TBLASTX:Wheat
Start	10649	End	11050
GI	none	Score	358
Exons	10649..11050, 10711..11034		

Seq. No.	12868	Seq. ID	OJ990920_04.9C10.C13
Gene No.	27191	Strand	
Start	10649	End	11101
Name	OJ990920_04.9C10.C13.o4.tm	Method	TBLASTX:Maize
Start	10924	End	11101
GI	none	Score	188
Exons	10924..11070, 10925..11101		

Seq. No.	12868	Seq. ID	OJ990920_04.9C10.C13
Gene No.	27192	Strand	
Start	11293	End	11779
Name	OJ990920_04.9C10.C13.o1.tw	Method	TBLASTX:Wheat
Start	11293	End	11749
GI	none	Score	496
Exons	11293..11748, 11294..11749		

Seq. No.	12868	Seq. ID	OJ990920_04.9C10.C13
Gene No.	27192	Strand	
Start	11293	End	11779
Name	OJ990920_04.9C10.C13.o3.ts	Method	TBLASTX:Soybean
Start	11333	End	11698
GI	none	Score	142
Exons	11333..11557, 11564..11698		

Seq. No.	12868	Seq. ID	OJ990920_04.9C10.C13
Gene No.	27192	Strand	
Start	11293	End	11779
Name	OJ990920_04.9C10.C13.o3.tm	Method	TBLASTX:Maize
Start	11423	End	11779
GI	none	Score	353
Exons	11423..11779, 11464..11757		

Seq. No.	12868	Seq. ID	OJ990920_04.9C10.C13
Gene No.	27193	Strand	
Start	11749	End	12541
Name	OJ990920_04.9C10.C13.o4.tw	Method	TBLASTX:Wheat
Start	11749	End	12067
GI	none	Score	331
Exons	11749..12066, 11750..12067		

Seq. No.	12868	Seq. ID	OJ990920_04.9C10.C13
Gene No.	27193	Strand	
Start	11749	End	12541
Name	OJ990920_04.9C10.C13.o2.ts	Method	TBLASTX:Soybean
Start	11859	End	12343
GI	none	Score	324
Exons	11859..11909, 11942..12343, 11959..12102, 12139..12309		

Seq. No.	12868	Seq. ID	OJ990920_04.9C10.C13
Gene No.	27193	Strand	
Start	11749	End	12541
Name	OJ990920_04.9C10.C13.o1.tm	Method	TBLASTX:Maize
Start	12010	End	12454
GI	none	Score	284
Exons	12010..12264, 12011..12265, 12011..12268, 12287..12430, 12428..12454		

Seq. No.	12868	Seq. ID	OJ990920_04.9C10.C13
Gene No.	27193	Strand	
Start	11749	End	12541
Name	OJ990920_04.9C10.C13.o2.tw	Method	TBLASTX:Wheat
Start	12106	End	12541
GI	none	Score	95
Exons	12106..12522, 12112..12321, 12113..12541		

Seq. No.	12868	Seq. ID	OJ990920_04.9C10.C13
Gene No.	27194	Strand	
Start	12544	End	12796
Name	OJ990920_04.9C10.C13.o7.tw	Method	TBLASTX:Wheat
Start	12544	End	12796
GI	none	Score	169
Exons	12544..12669, 12545..12682, 12712..12795, 12713..12796		

Seq. No.	12869	Seq. ID	OJ990920_04.9C10.C14
Gene No.	27195	Strand	+
Start	1	End	1216
Name	OJ990920_04.9C10.C14.o1.np	Method	AAT/NAP
Start	1	End	1216
GI	5902445	Score	1920
Exons	1..1216		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	12869	Seq. ID	OJ990920_04.9C10.C14
Gene No.	27195	Strand	+
Start	1	End	1216
Name	OJ990920_04.9C10.C14.o1.gs	Method	GENSCAN
Start	34	End	1095
GI	none	Score	1
Exons	34..1095		

Seq. No.	12869	Seq. ID	OJ990920_04.9C10.C14
Gene No.	27195	Strand	+
Start	1	End	1216
Name	OJ990920_04.9C10.C14.o1.tm	Method	TBLASTX:Maize
Start	171	End	534
GI	none	Score	452
Exons	171..494, 172..495, 486..533, 487..534		

Seq. No.	12869	Seq. ID	OJ990920_04.9C10.C14
Gene No.	27195	Strand	+
Start	1	End	1216
Name	OJ990920_04.9C10.C14.o1.tw	Method	TBLASTX:Wheat
Start	175	End	566
GI	none	Score	423
Exons	175..336, 177..488, 178..564, 373..564, 519..566		

Seq. No.	12869	Seq. ID	OJ990920_04.9C10.C14
Gene No.	27195	Strand	+
Start	1	End	1216
Name	OJ990920_04.9C10.C14.o3.tm	Method	TBLASTX:Maize
Start	636	End	909
GI	none	Score	99
Exons	636..743, 637..735, 726..800, 733..813, 823..909		

Seq. No.	12869	Seq. ID	OJ990920_04.9C10.C14
Gene No.	27195	Strand	+
Start	1	End	1216
Name	OJ990920_04.9C10.C14.o2.tw	Method	TBLASTX:Wheat
Start	678	End	1212
GI	none	Score	343
Exons	678..788, 679..1170, 829..858, 840..968, 1162..1212		

Seq. No.	12869	Seq. ID	OJ990920_04.9C10.C14
Gene No.	27195	Strand	+
Start	1	End	1216
Name	OJ990920_04.9C10.C14.o2.tm	Method	TBLASTX:Maize
Start	991	End	1215
GI	none	Score	163
Exons	991..1173, 1047..1172, 1152..1214, 1153..1215		

Seq. No.	12870	Seq. ID	OJ990920_04.9C10.C15
Gene No.	27196	Strand	-
Start	1	End	2470
Name	OJ990920_04.9C10.C15.o1.np	Method	AAT/NAP
Start	1	End	2470
GI	6691716	Score	1831
Exons	1..296, 371..484, 634..736, 811..998, 1077..1256, 1333..1435, 1512..1694, 1900..2470		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	12870	Seq. ID	OJ990920_04.9C10.C15
Gene No.	27196	Strand	-
Start	1	End	2470
Name	OJ990920_04.9C10.C15.o1.gs	Method	GENSCAN

Start	81	End	2226
GI	none	Score	.76
Exons	81..288, 811..1010, 1077..1435, 1512..1804, 1892..2226		

Seq. No.	12871	Seq. ID	OJ990920_04.9C10.C16
Gene No.	27197	Strand	+
Start	1	End	1479
Name	OJ990920_04.9C10.C16.o1.np	Method	AAT/NAP
Start	1	End	1479
GI	5922620	Score	102
Exons	1..49, 1370..1479		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	12871	Seq. ID	OJ990920_04.9C10.C16
Gene No.	27197	Strand	+
Start	1	End	1479
Name	OJ990920_04.9C10.C16.o1.gs	Method	GENSCAN
Start	838	End	1455
GI	none	Score	.78
Exons	838..924, 1380..1455		

Seq. No.	12871	Seq. ID	OJ990920_04.9C10.C16
Gene No.	27198	Strand	+
Start	1819	End	4776
Name	OJ990920_04.9C10.C16.o2.np	Method	AAT/NAP
Start	1756	End	4773
GI	5922620	Score	682
Exons	1756..1794, 1834..1947, 1993..2045, 2640..2811, 2859..3035, 3143..3227, 4643..4773		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	12871	Seq. ID	OJ990920_04.9C10.C16
Gene No.	27198	Strand	+
Start	1819	End	4776
Name	OJ990920_04.9C10.C16.o2.gs	Method	GENSCAN
Start	1819	End	4776
GI	none	Score	.66
Exons	1819..1947, 2345..2581, 3143..3227, 3834..3948, 4002..4173, 4300..4433, 4617..4776		

Seq. No.	12871	Seq. ID	OJ990920_04.9C10.C16
Gene No.	27199	Strand	+
Start	5260	End	7047
Name	OJ990920_04.9C10.C16.o3.gs	Method	GENSCAN
Start	5260	End	7047
GI	none	Score	.7
Exons	5260..5343, 6346..6433, 6638..7047		

Seq. No.	12871	Seq. ID	OJ990920_04.9C10.C16

Gene No.	27200	Strand	+
Start	8938	End	10015
Name	OJ990920_04.9C10.C16.o1.gp	Method	AAT/GAP
Start	8788	End	10015
GI	none	Score	1699
Exons	8788..9210, 9369..9446, 9607..10015		

Seq. No.	12871	Seq. ID	OJ990920_04.9C10.C16
Gene No.	27200	Strand	+
Start	8938	End	10015
Name	OJ990920_04.9C10.C16.o4.gs	Method	GENSCAN
Start	8938	End	9684
GI	none	Score	.88
Exons	8938..9210, 9607..9684		

Seq. No.	12871	Seq. ID	OJ990920_04.9C10.C16
Gene No.	27201	Strand	+
Start	18453	End	21045
Name	OJ990920_04.9C10.C16.o2.gp	Method	AAT/GAP
Start	18453	End	20971
GI	none	Score	957
Exons	18453..18746, 20310..20399, 20691..20771, 20915..20971		

Seq. No.	12871	Seq. ID	OJ990920_04.9C10.C16
Gene No.	27201	Strand	+
Start	18453	End	21045
Name	OJ990920_04.9C10.C16.o6.np	Method	AAT/NAP
Start	20310	End	21045
GI	6456167	Score	366
Exons	20310..20399, 20691..20771, 20915..21045		
GI Descrip.	(AC011622) unknown protein [Arabidopsis thaliana]		

Seq. No.	12871	Seq. ID	OJ990920_04.9C10.C16
Gene No.	27202	Strand	-
Start	4913	End	4996
Name	OJ990920_04.9C10.C16.o3.np	Method	AAT/NAP
Start	4913	End	4996
GI	6630699	Score	73
Exons	4913..4996		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	12871	Seq. ID	OJ990920_04.9C10.C16
Gene No.	27203	Strand	-
Start	11732	End	12338
Name	OJ990920_04.9C10.C16.o5.gs	Method	GENSCAN
Start	11732	End	12338
GI	none	Score	.8
Exons	11732..11737, 12231..12338		

Seq. No.	12871	Seq. ID	OJ990920_04.9C10.C16
Gene No.	27204	Strand	-
Start	13274	End	15610
Name	OJ990920_04.9C10.C16.o6.gs	Method	GENSCAN
Start	13274	End	15610
GI	none	Score	.92

Exons	13274..15610		
Seq. No.	12871	Seq. ID	OJ990920_04.9C10.C16
Gene No.	27204	Strand	-
Start	13274	End	15610
Name	OJ990920_04.9C10.C16.o4.np	Method	AAT/NAP
Start	13278	End	15598
GI	4558666	Score	739
Exons	13278..15598		
GI Descrip.	(AC007063) putative Na/H antiporter [Arabidopsis thaliana]		
Seq. No.	12871	Seq. ID	OJ990920_04.9C10.C16
Gene No.	27204	Strand	-
Start	13274	End	15610
Name	OJ990920_04.9C10.C16.o1.tm	Method	TBLASTX:Maize
Start	14011	End	14437
GI	none	Score	71
Exons	14011..14052, 14011..14061, 14012..14245, 14013..14198, 14039..14224, 14222..14317, 14259..14318, 14300..14431, 14316..14378, 14327..14437		
Seq. No.	12871	Seq. ID	OJ990920_04.9C10.C16
Gene No.	27205	Strand	
Start	20688	End	21045
Name	OJ990920_04.9C10.C16.o2.tm	Method	TBLASTX:Maize
Start	20688	End	21045
GI	none	Score	129
Exons	20688..20774, 20690..20782, 20914..21045, 20915..21043		
Seq. No.	12872	Seq. ID	OJ990920_04.9C10.C17
Gene No.	27206	Strand	+
Start	144	End	729
Name	OJ990920_04.9C10.C17.o1.gs	Method	GENSCAN
Start	144	End	600
GI	none	Score	.98
Exons	144..362, 508..600		
Seq. No.	12872	Seq. ID	OJ990920_04.9C10.C17
Gene No.	27206	Strand	+
Start	144	End	729
Name	OJ990920_04.9C10.C17.o1.np	Method	AAT/NAP
Start	144	End	729
GI	6456167	Score	315
Exons	144..362, 508..624, 696..729		
GI Descrip.	(AC011622) unknown protein [Arabidopsis thaliana]		
Seq. No.	12872	Seq. ID	OJ990920_04.9C10.C17
Gene No.	27206	Strand	+
Start	144	End	729
Name	OJ990920_04.9C10.C17.o1.tm	Method	TBLASTX:Maize
Start	144	End	278
GI	none	Score	214
Exons	144..278, 153..278		
Seq. No.	12872	Seq. ID	OJ990920_04.9C10.C17
Gene No.	27206	Strand	+
Start	144	End	729

Name	OJ990920_04.9C10.C17.o1.tc	Method	TBLASTX:Cress
Start	149	End	609
GI	none	Score	283
Exons	149..364, 153..362, 196..363,	493..600,	496..609

Seq. No.	12872	Seq. ID	OJ990920_04.9C10.C17
Gene No.	27206	Strand	+
Start	144	End	729
Name	OJ990920_04.9C10.C17.o1.gp	Method	AAT/GAP
Start	327	End	604
GI	none	Score	212
Exons	327..362, 508..604		

Seq. No.	12873	Seq. ID	OJ990920_04.9C10.C18
Gene No.	27207	Strand	+
Start	1948	End	3228
Name	OJ990920_04.9C10.C18.o1.gp	Method	AAT/GAP
Start	1948	End	2401
GI	none	Score	840
Exons	1948..2401		

Seq. No.	12873	Seq. ID	OJ990920_04.9C10.C18
Gene No.	27207	Strand	+
Start	1948	End	3228
Name	OJ990920_04.9C10.C18.o1.gs	Method	GENSCAN
Start	2020	End	3228
GI	none	Score	.98
Exons	2020..3228		

Seq. No.	12873	Seq. ID	OJ990920_04.9C10.C18
Gene No.	27208	Strand	-
Start	4716	End	5712
Name	OJ990920_04.9C10.C18.o2.gs	Method	GENSCAN
Start	4716	End	5712
GI	none	Score	.62
Exons	4716..4973, 4999..5182, 5636..	5712	

Seq. No.	12873	Seq. ID	OJ990920_04.9C10.C18
Gene No.	27209	Strand	-
Start	7457	End	9293
Name	OJ990920_04.9C10.C18.o1.tm	Method	TBLASTX:Maize
Start	2061	End	2457
GI	none	Score	684
Exons	2061..2456, 2062..2457		

Seq. No.	12873	Seq. ID	OJ990920_04.9C10.C18
Gene No.	27209	Strand	-
Start	7457	End	9293
Name	OJ990920_04.9C10.C18.o1.tc	Method	TBLASTX:Cress
Start	2067	End	2493
GI	none	Score	376
Exons	2067..2420, 2068..2424, 2419..	2493,	2445..2489

Seq. No.	12873	Seq. ID	OJ990920_04.9C10.C18
Gene No.	27209	Strand	-
Start	7457	End	9293
Name	OJ990920_04.9C10.C18.o2.ts	Method	TBLASTX:Soybean

Start	2080	End	2424
GI	none	Score	427
Exons	2080..2424, 2082..2315, 2314..2424		

Seq. No.	12873	Seq. ID	OJ990920_04.9C10.C18
Gene No.	27209	Strand	-
Start	7457	End	9293
Name	OJ990920_04.9C10.C18.o1.ts	Method	TBLASTX:Soybean
Start	2674	End	3162
GI	none	Score	234
Exons	2674..2934, 2929..3162, 2938..3162		

Seq. No.	12873	Seq. ID	OJ990920_04.9C10.C18
Gene No.	27209	Strand	-
Start	7457	End	9293
Name	OJ990920_04.9C10.C18.o2.tc	Method	TBLASTX:Cress
Start	2854	End	3162
GI	none	Score	59
Exons	2854..2934, 2953..3162, 2953..3144, 3075..3161		

Seq. No.	12873	Seq. ID	OJ990920_04.9C10.C18
Gene No.	27209	Strand	-
Start	7457	End	9293
Name	OJ990920_04.9C10.C18.o2.tm	Method	TBLASTX:Maize
Start	2857	End	3241
GI	none	Score	90
Exons	2857..2970, 2932..3165, 2960..3241, 2987..3163, 3075..3167		

Seq. No.	12873	Seq. ID	OJ990920_04.9C10.C18
Gene No.	27209	Strand	-
Start	7457	End	9293
Name	OJ990920_04.9C10.C18.o3.gs	Method	GENSCAN
Start	7457	End	9293
GI	none	Score	.72
Exons	7457..7549, 7624..7742, 9245..9293		

Seq. No.	12873	Seq. ID	OJ990920_04.9C10.C18
Gene No.	27209	Strand	-
Start	7457	End	9293
Name	OJ990920_04.9C10.C18.o2.gp	Method	AAT/GAP
Start	8934	End	9251
GI	none	Score	615
Exons	8934..9251		

Seq. No.	12874	Seq. ID	OJ990820_08.9C17.C3
Gene No.	27210	Strand	-
Start	1	End	367
Name	OJ990820_08.9C17.C3.o1.np	Method	AAT/NAP
Start	1	End	367
GI	5042447	Score	616
Exons	1..367		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	12874	Seq. ID	OJ990820_08.9C17.C3
Gene No.	27210	Strand	-
Start	1	End	367
Name	OJ990820_08.9C17.C3.o1.tm	Method	TBLASTX:Maize

Start	19	End	367
GI	none	Score	67
Exons	19..171, 21..218, 26..367, 33..359		

Seq. No.	12874	Seq. ID	OJ990820_08.9C17.C3
Gene No.	27210	Strand	-
Start	1	End	367
Name	OJ990820_08.9C17.C3.o1.tw	Method	TBLASTX:Wheat
Start	26	End	367
GI	none	Score	304
Exons	26..367, 33..365		

Seq. No.	12875	Seq. ID	OJ990820_08.9C17.C6
Gene No.	27211	Strand	-
Start	1	End	86
Name	OJ990820_08.9C17.C6.o1.np	Method	AAT/NAP
Start	1	End	86
GI	5902447	Score	130
Exons	1..86		
GI Descrip.	(AB030283) orf4 [Oryza sativa]		

Seq. No.	12876	Seq. ID	OJ990820_08.9C17.C8
Gene No.	27212	Strand	+
Start	89	End	558
Name	OJ990820_08.9C17.C8.o1.gs	Method	GENSCAN
Start	89	End	558
GI	none	Score	.78
Exons	89..192, 385..558		

Seq. No.	12877	Seq. ID	OJ990820_08.9C17.C11
Gene No.	27213	Strand	-
Start	1	End	1361
Name	OJ990820_08.9C17.C11.o1.np	Method	AAT/NAP
Start	1	End	977
GI	5902445	Score	1605
Exons	1..977		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	12877	Seq. ID	OJ990820_08.9C17.C11
Gene No.	27213	Strand	-
Start	1	End	1361
Name	OJ990820_08.9C17.C11.o1.gs	Method	GENSCAN
Start	13	End	1349
GI	none	Score	.89
Exons	13..928, 1057..1349		

Seq. No.	12877	Seq. ID	OJ990820_08.9C17.C11
Gene No.	27213	Strand	-
Start	1	End	1361
Name	OJ990820_08.9C17.C11.o2.tw	Method	TBLASTX:Wheat
Start	60	End	456
GI	none	Score	259
Exons	60..395, 61..456, 62..412		

Seq. No.	12877	Seq. ID	OJ990820_08.9C17.C11
Gene No.	27213	Strand	-
Start	1	End	1361

Name	OJ990820_08.9C17.C11.o1.ts	Method	TBLASTX:Soybean
Start	64	End	378
GI	none	Score	115
Exons	64..378, 218..361		

Seq. No.	12877	Seq. ID	OJ990820_08.9C17.C11
Gene No.	27213	Strand	-
Start	1	End	1361
Name	OJ990820_08.9C17.C11.o2.tm	Method	TBLASTX:Maize
Start	130	End	513
GI	none	Score	163
Exons	130..513, 131..409		

Seq. No.	12877	Seq. ID	OJ990820_08.9C17.C11
Gene No.	27213	Strand	-
Start	1	End	1361
Name	OJ990820_08.9C17.C11.o3.tw	Method	TBLASTX:Wheat
Start	457	End	591
GI	none	Score	95
Exons	457..591, 458..586		

Seq. No.	12877	Seq. ID	OJ990820_08.9C17.C11
Gene No.	27213	Strand	-
Start	1	End	1361
Name	OJ990820_08.9C17.C11.o1.tm	Method	TBLASTX:Maize
Start	541	End	867
GI	none	Score	46
Exons	541..585, 551..598, 601..867, 602..862		

Seq. No.	12877	Seq. ID	OJ990820_08.9C17.C11
Gene No.	27213	Strand	-
Start	1	End	1361
Name	OJ990820_08.9C17.C11.o1.tw	Method	TBLASTX:Wheat
Start	595	End	1032
GI	none	Score	192
Exons	595..882, 596..877, 876..1031, 907..1032		

Seq. No.	12877	Seq. ID	OJ990820_08.9C17.C11
Gene No.	27213	Strand	-
Start	1	End	1361
Name	OJ990820_08.9C17.C11.o2.ts	Method	TBLASTX:Soybean
Start	628	End	992
GI	none	Score	78
Exons	628..762, 769..876, 894..992		

Seq. No.	12877	Seq. ID	OJ990820_08.9C17.C11
Gene No.	27213	Strand	-
Start	1	End	1361
Name	OJ990820_08.9C17.C11.o2.np	Method	AAT/NAP
Start	1044	End	1361
GI	5902444	Score	533
Exons	1044..1361		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	12878	Seq. ID	OJ990820_08.9C17.C12
Gene No.	27214	Strand	+
Start	666	End	850

Name	OJ990820_08.9C17.C12.o1.np	Method	AAT/NAP
Start	666	End	850
GI	629693	Score	73
Exons	666..850		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	12879	Seq. ID	OJ990820_08.9C17.C13
Gene No.	27215	Strand	+
Start	1	End	1211
Name	OJ990820_08.9C17.C13.o1.np	Method	AAT/NAP
Start	1	End	1211
GI	5902445	Score	2010
Exons	1..1211		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	12879	Seq. ID	OJ990820_08.9C17.C13
Gene No.	27215	Strand	+
Start	1	End	1211
Name	OJ990820_08.9C17.C13.o2.tw	Method	TBLASTX:Wheat
Start	59	End	387
GI	none	Score	118
Exons	59..163, 61..150, 151..387		

Seq. No.	12879	Seq. ID	OJ990820_08.9C17.C13
Gene No.	27215	Strand	+
Start	1	End	1211
Name	OJ990820_08.9C17.C13.o1.gs	Method	GENSCAN
Start	187	End	1091
GI	none	Score	.51
Exons	187..673, 694..1091		

Seq. No.	12879	Seq. ID	OJ990820_08.9C17.C13
Gene No.	27215	Strand	+
Start	1	End	1211
Name	OJ990820_08.9C17.C13.o1.tm	Method	TBLASTX:Maize
Start	523	End	884
GI	none	Score	199
Exons	523..681, 543..683, 662..832, 672..845, 836..883, 837..884		

Seq. No.	12879	Seq. ID	OJ990820_08.9C17.C13
Gene No.	27215	Strand	+
Start	1	End	1211
Name	OJ990820_08.9C17.C13.o1.tw	Method	TBLASTX:Wheat
Start	528	End	914
GI	none	Score	175
Exons	528..683, 529..681, 647..829, 657..914, 662..838, 723..914		

Seq. No.	12879	Seq. ID	OJ990820_08.9C17.C13
Gene No.	27215	Strand	+
Start	1	End	1211
Name	OJ990820_08.9C17.C13.o3.tw	Method	TBLASTX:Wheat
Start	968	End	1210
GI	none	Score	221
Exons	968..1210, 1069..1203		

Seq. No.	12880	Seq. ID	OJ990820_08.9C17.C16

Gene No.	27216	Strand	-
Start	1	End	257
Name	OJ990820_08.9C17.C16.o1.np	Method	AAT/NAP
Start	1	End	257
GI	4006893	Score	117
Exons	1..257		
GI Descrip.	(Z99708) aminopeptidase-like protein [Arabidopsis thaliana]		

Seq. No.	12880	Seq. ID	OJ990820_08.9C17.C16
Gene No.	27216	Strand	-
Start	1	End	257
Name	OJ990820_08.9C17.C16.o1.ts	Method	TBLASTX:Soybean
Start	12	End	122
GI	none	Score	136
Exons	12..110, 14..121, 15..122		

Seq. No.	12880	Seq. ID	OJ990820_08.9C17.C16
Gene No.	27216	Strand	-
Start	1	End	257
Name	OJ990820_08.9C17.C16.o1.tm	Method	TBLASTX:Maize
Start	14	End	131
GI	none	Score	144
Exons	14..118, 14..121, 15..131		

Seq. No.	12880	Seq. ID	OJ990820_08.9C17.C16
Gene No.	27216	Strand	-
Start	1	End	257
Name	OJ990820_08.9C17.C16.o1.gs	Method	GENSCAN
Start	16	End	120
GI	none	Score	.5
Exons	16..120		

Seq. No.	12881	Seq. ID	OJ990820_08.9C17.C17
Gene No.	27217	Strand	-
Start	1	End	587
Name	OJ990820_08.9C17.C17.o1.np	Method	AAT/NAP
Start	1	End	566
GI	2827661	Score	177
Exons	1..175, 423..566		
GI Descrip.	(AL021637) hyuC-like protein [Arabidopsis thaliana]		

Seq. No.	12881	Seq. ID	OJ990820_08.9C17.C17
Gene No.	27217	Strand	-
Start	1	End	587
Name	OJ990820_08.9C17.C17.o1.tm	Method	TBLASTX:Maize
Start	78	End	587
GI	none	Score	138
Exons	78..176, 86..175, 87..176, 95..178, 260..373, 264..374, 264..374, 449..568, 457..567, 459..587, 459..587		

Seq. No.	12881	Seq. ID	OJ990820_08.9C17.C17
Gene No.	27217	Strand	-
Start	1	End	587
Name	OJ990820_08.9C17.C17.o1.ts	Method	TBLASTX:Soybean
Start	86	End	571
GI	none	Score	64
Exons	86..130, 87..125, 123..176, 131..175, 260..361, 264..374,		

454..567, 456..569, 458..571

Seq. No.	12881	Seq. ID	OJ990820_08.9C17.C17
Gene No.	27217	Strand	-
Start	1	End	587
Name	OJ990820_08.9C17.C17.o1.gp	Method	AAT/GAP
Start	87	End	567
GI	48621_1.R1084	Score	538
Exons	87..175, 266..371, 457..567		
GI Descrip.	'4062935/dbj|AB003495.1|AB003495 3.0e-14 Oryza sativa DNA for dihydroflavonol 4-reductase, complete cds'		

Seq. No.	12881	Seq. ID	OJ990820_08.9C17.C17
Gene No.	27217	Strand	-
Start	1	End	587
Name	OJ990820_08.9C17.C17.o1.gs	Method	GENSCAN
Start	89	End	371
GI	none	Score	.74
Exons	89..175, 266..371		

Seq. No.	12881	Seq. ID	OJ990820_08.9C17.C17
Gene No.	27217	Strand	-
Start	1	End	587
Name	OJ990820_08.9C17.C17.o1.tc	Method	TBLASTX:Cress
Start	102	End	569
GI	none	Score	42
Exons	102..125, 128..178, 260..373, 264..374, 457..567, 459..569		

Seq. No.	12882	Seq. ID	OJ990820_08.9C17.C19
Gene No.	27218	Strand	+
Start	970	End	2033
Name	OJ990820_08.9C17.C19.o1.gs	Method	GENSCAN
Start	970	End	2033
GI	none	Score	.66
Exons	970..1255, 1936..2033		

Seq. No.	12882	Seq. ID	OJ990820_08.9C17.C19
Gene No.	27219	Strand	+
Start	7127	End	7662
Name	OJ990820_08.9C17.C19.o1.gp	Method	AAT/GAP
Start	7127	End	7662
GI	uC-osflcyp079a11a1	Score	1028
Exons	7127..7662		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	12882	Seq. ID	OJ990820_08.9C17.C19
Gene No.	27220	Strand	+
Start	10918	End	13034
Name	OJ990820_08.9C17.C19.o3.gs	Method	GENSCAN
Start	10918	End	13034
GI	none	Score	.65
Exons	10918..10955, 11062..11374, 11684..11864, 11907..12045, 12294..12419, 12538..12736, 12978..13034		

Seq. No.	12882	Seq. ID	OJ990820_08.9C17.C19
Gene No.	27221	Strand	-

Start	3373	End	10419
Name	OJ990820_08.9C17.C19.o2.gs	Method	GENSCAN
Start	3373	End	10419
GI	none	Score	.66
Exons	3373..3798, 4747..4845, 6023..6487, 7335..8032, 8537..8678, 8778..9061, 9120..10419		

Seq. No.	12882	Seq. ID	OJ990820_08.9C17.C19
Gene No.	27222	Strand	-
Start	18376	End	19616
Name	OJ990820_08.9C17.C19.o1.tc	Method	TBLASTX:Cress
Start	7353	End	7838
GI	none	Score	56
Exons	7353..7490, 7479..7610, 7593..7682, 7674..7778, 7782..7838		

Seq. No.	12882	Seq. ID	OJ990820_08.9C17.C19
Gene No.	27222	Strand	-
Start	18376	End	19616
Name	OJ990820_08.9C17.C19.o2.tm	Method	TBLASTX:Maize
Start	7783	End	8630
GI	none	Score	264
Exons	7783..8034, 7785..8033, 8559..8630		

Seq. No.	12882	Seq. ID	OJ990820_08.9C17.C19
Gene No.	27222	Strand	-
Start	18376	End	19616
Name	OJ990820_08.9C17.C19.o3.tm	Method	TBLASTX:Maize
Start	9103	End	9609
GI	none	Score	56
Exons	9103..9333, 9185..9307, 9373..9447, 9379..9447, 9437..9538, 9439..9531, 9508..9609, 9536..9607		

Seq. No.	12882	Seq. ID	OJ990820_08.9C17.C19
Gene No.	27222	Strand	-
Start	18376	End	19616
Name	OJ990820_08.9C17.C19.o1.tm	Method	TBLASTX:Maize
Start	9817	End	10227
GI	none	Score	100
Exons	9817..9996, 9819..9998, 9819..9998, 10003..10125, 10004..10126, 10010..10132, 10112..10213, 10120..10227		

Seq. No.	12882	Seq. ID	OJ990820_08.9C17.C19
Gene No.	27222	Strand	-
Start	18376	End	19616
Name	OJ990820_08.9C17.C19.o4.gs	Method	GENSCAN
Start	18376	End	19616
GI	none	Score	.74
Exons	18376..18612, 19241..19381, 19488..19616		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27223	Strand	+
Start	11671	End	12295
Name	OJ990820_08.9C17.C20.o2.gs	Method	GENSCAN
Start	11671	End	12295
GI	none	Score	.4
Exons	11671..12036, 12173..12295		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27224	Strand	+
Start	16113	End	36590
Name	OJ990820_08.9C17.C20.o4.gs	Method	GENSCAN
Start	16113	End	36590
GI	none	Score	.49
Exons	16113..16245, 16529..16712, 16985..17140, 18302..18408, 18593..18791, 20451..20628, 20675..21671, 22243..22283, 22807..22967, 25467..25928, 26153..26288, 26329..26424, 26780..26881, 29050..29193, 30034..30125, 30824..30905, 30946..31008, 31492..31677, 32529..32644, 32725..32783, 33706..33806, 33978..34028, 34208..34357, 34479..34613, 35242..35299, 35380..35680, 36099..36133, 36336..36544, 36573..36590		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27224	Strand	+
Start	16113	End	36590
Name	OJ990820_08.9C17.C20.o3.np	Method	AAT/NAP
Start	25217	End	25874
GI	2129478	Score	81
Exons	25217..25310, 25505..25874		
GI Descrip.	chitinase (EC 3.2.1.14) precursor - beet gi|488731|emb|CAA55883| (X79301) chitinase [Beta vulgaris] gi|829258|emb|CAA56946| (X81056) Chitinase [Beta vulgaris]		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27224	Strand	+
Start	16113	End	36590
Name	OJ990820_08.9C17.C20.o1.gp	Method	AAT/GAP
Start	25699	End	26819
GI	none	Score	770
Exons	25699..25928, 26047..26107, 26329..26424, 26780..26819		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27224	Strand	+
Start	16113	End	36590
Name	OJ990820_08.9C17.C20.o4.np	Method	AAT/NAP
Start	25843	End	35678
GI	6714345	Score	2225
Exons	25843..25928, 26023..26107, 26329..26536, 26780..26881, 27448..27531, 28210..28290, 29050..29193, 30034..30125, 30824..30905, 31492..31677, 32529..32644, 32725..32783, 33706..33806, 33978..34028, 34178..34357, 34479..34613, 34705..34779, 35242..35299, 35380..35678		
GI Descrip.	(AC016162) ARE1-like protein [Arabidopsis thaliana]		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27224	Strand	+
Start	16113	End	36590
Name	OJ990820_08.9C17.C20.o2.gp	Method	AAT/GAP
Start	28190	End	32584
GI	18829_1.R1084	Score	1147
Exons	28190..28290, 29050..29193, 30034..30125, 30824..30905, 31492..31677, 32529..32584		
GI Descrip.	'3850063/emb|CAA11566| 3.0e-26 (AJ223830) ARE1 [Rattus norvegicus]'		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27224	Strand	+
Start	16113	End	36590
Name	OJ990820_08.9C17.C20.o3.gp	Method	AAT/GAP
Start	34457	End	35627
GI	LIB3434-013-P1-K1-H10	Score	960
Exons	34457..34613, 34705..34779, 35242..35299, 35380..35627		
GI Descrip.	'3811383 1.0e-19 (AF100956) Sacm21 [Mus musculus]'		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27225	Strand	+
Start	37938	End	48703
Name	OJ990820_08.9C17.C20.o5.np	Method	AAT/NAP
Start	37938	End	48703
GI	6630696	Score	6146
Exons	37938..37960, 44922..48703		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27225	Strand	+
Start	37938	End	48703
Name	OJ990820_08.9C17.C20.o6.gs	Method	GENSCAN
Start	40163	End	45905
GI	none	Score	.67
Exons	40163..40360, 40565..41109, 41661..41770, 41902..42963, 43827..43941, 44049..44236, 44732..45646, 45757..45905		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27225	Strand	+
Start	37938	End	48703
Name	OJ990820_08.9C17.C20.o4.gp	Method	AAT/GAP
Start	44941	End	45641
GI	101595_1.R1084	Score	1269
Exons	44941..45641		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27225	Strand	+
Start	37938	End	48703
Name	OJ990820_08.9C17.C20.o7.gs	Method	GENSCAN
Start	46388	End	48328
GI	none	Score	.73
Exons	46388..48328		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27226	Strand	+
Start	53235	End	57861
Name	OJ990820_08.9C17.C20.o9.gs	Method	GENSCAN
Start	53235	End	57861
GI	none	Score	.47
Exons	53235..53310, 53363..53534, 55347..55448, 55507..55592, 56424..56556, 57726..57861		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27227	Strand	+
Start	61198	End	66498
Name	OJ990820_08.9C17.C20.o8.np	Method	AAT/NAP
Start	61198	End	62194
GI	2129478	Score	99
Exons	61198..61276, 61841..62194		
GI Descrip.	chitinase (EC 3.2.1.14) precursor - beet gi|488731|emb|CAA55883| (X79301) chitinase [Beta vulgaris] gi|829258|emb|CAA56946| (X81056) Chitinase [Beta vulgaris]		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27227	Strand	+
Start	61198	End	66498
Name	OJ990820_08.9C17.C20.o6.gp	Method	AAT/GAP
Start	61966	End	65218
GI	15664_1.R1084	Score	1495
Exons	61966..62095, 63888..64185, 64841..65218		
GI Descrip.	'4680212/gb|AAD27575.1|AF114171_17 5.0e-10 (AF114171) hypothetical protein [Sorghum bicolor]'		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27227	Strand	+
Start	61198	End	66498
Name	OJ990820_08.9C17.C20.o11.gs	Method	GENSCAN
Start	63910	End	66498
GI	none	Score	.85
Exons	63910..64185, 64215..64263, 65251..65325, 65963..66054, 66295..66498		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27228	Strand	-
Start	261	End	10567
Name	OJ990820_08.9C17.C20.o1.gs	Method	GENSCAN
Start	261	End	10567
GI	none	Score	.52
Exons	261..433, 812..981, 993..1206, 3720..3887, 3987..4158, 4381..4488, 4585..5040, 5081..5121, 5559..5765, 6070..6179, 6619..6766, 6833..7120, 7229..7502, 7667..7801, 7816..8382, 8472..8758, 8949..9236, 9789..9998, 10486..10567		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27228	Strand	-
Start	261	End	10567
Name	OJ990820_08.9C17.C20.o1.np	Method	AAT/NAP
Start	4762	End	9635
GI	4539357	Score	1293
Exons	4762..7467, 9610..9635		
GI Descrip.	(AL049525) putative protein [Arabidopsis thaliana]		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27229	Strand	-
Start	12530	End	14397
Name	OJ990820_08.9C17.C20.o3.gs	Method	GENSCAN
Start	12530	End	14397
GI	none	Score	.62
Exons	12530..12720, 12742..12876, 13234..13355, 13398..13664,		

14204..14397

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27230	Strand	-
Start	20650	End	21670
Name	OJ990820_08.9C17.C20.o2.np	Method	AAT/NAP
Start	20650	End	21670
GI	116317	Score	1691
Exons	20650..21670		
GI Descrip.	BASIC ENDOCHITINASE 2 PRECURSOR gi|100669|pir||S15997 chitinase (EC 3.2.1.14) - rice gi|227845|prf||1712313A basic chitinase [Oryza sativa]		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27231	Strand	-
Start	36812	End	39322
Name	OJ990820_08.9C17.C20.o5.gs	Method	GENSCAN
Start	36812	End	39322
GI	none	Score	.7
Exons	36812..37158, 37253..37326, 37374..37508, 38219..38324, 38379..38547, 39215..39322		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27232	Strand	-
Start	49594	End	53019
Name	OJ990820_08.9C17.C20.o8.gs	Method	GENSCAN
Start	49594	End	53019
GI	none	Score	.64
Exons	49594..49926, 50233..50660, 52290..52650, 52984..53019		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27232	Strand	-
Start	49594	End	53019
Name	OJ990820_08.9C17.C20.o5.gp	Method	AAT/GAP
Start	51375	End	51683
GI	77434_1.R1084	Score	89
Exons	51375..51422, 51641..51683		
GI Descrip.	'2827528/emb|CAA16536.1| 2.0e-10 (AL021633) predicted protein [Arabidopsis thaliana]'		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27233	Strand	-
Start	55078	End	56157
Name	OJ990820_08.9C17.C20.o6.np	Method	AAT/NAP
Start	55078	End	56157
GI	6815053	Score	393
Exons	55078..55502, 55999..56157		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27234	Strand	-
Start	59085	End	60076
Name	OJ990820_08.9C17.C20.o7.np	Method	AAT/NAP
Start	59085	End	60076
GI	5852084	Score	86
Exons	59085..59334, 59884..60076		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27235	Strand	-
Start	60958	End	62591
Name	OJ990820_08.9C17.C20.o10.gs	Method	GENSCAN
Start	60958	End	62591
GI	none	Score	.47
Exons	60958..61018, 61312..61427, 62220..62591		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27236	Strand	-
Start	67755	End	70326
Name	OJ990820_08.9C17.C20.o6.tw	Method	TBLASTX:Wheat
Start	4792	End	5212
GI	none	Score	122
Exons	4792..5094, 4862..5032, 5098..5205, 5132..5212		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27236	Strand	-
Start	67755	End	70326
Name	OJ990820_08.9C17.C20.o7.tm	Method	TBLASTX:Maize
Start	4864	End	5244
GI	none	Score	101
Exons	4864..5244, 4892..5197		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27236	Strand	-
Start	67755	End	70326
Name	OJ990820_08.9C17.C20.o10.tw	Method	TBLASTX:Wheat
Start	5534	End	5758
GI	none	Score	110
Exons	5534..5758, 5590..5757		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27236	Strand	-
Start	67755	End	70326
Name	OJ990820_08.9C17.C20.o10.tm	Method	TBLASTX:Maize
Start	5590	End	6021
GI	none	Score	114
Exons	5590..5838, 5863..6021		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27236	Strand	-
Start	67755	End	70326
Name	OJ990820_08.9C17.C20.o4.tw	Method	TBLASTX:Wheat
Start	5759	End	6183
GI	none	Score	69
Exons	5759..5842, 5761..5844, 5851..6183, 5866..6039, 5885..6178		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27236	Strand	-
Start	67755	End	70326
Name	OJ990820_08.9C17.C20.o1.ts	Method	TBLASTX:Soybean
Start	20663	End	21608
GI	none	Score	48
Exons	20663..20815, 20699..21118, 20859..21116, 21152..21277, 21165..21266, 21341..21430, 21492..21608, 21515..21607		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27236	Strand	-
Start	67755	End	70326
Name	OJ990820_08.9C17.C20.o1.tm	Method	TBLASTX:Maize
Start	20693	End	21269
GI	none	Score	119
Exons	20693..21268, 20697..20795, 20859..21269		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27236	Strand	-
Start	67755	End	70326
Name	OJ990820_08.9C17.C20.o1.tc	Method	TBLASTX:Cress
Start	20699	End	21608
GI	none	Score	77
Exons	20699..21142, 20700..20792, 20783..20821, 20859..21143, 21149..21277, 21165..21266, 21341..21430, 21492..21509, 21515..21607, 21516..21608		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27236	Strand	-
Start	67755	End	70326
Name	OJ990820_08.9C17.C20.o11.tw	Method	TBLASTX:Wheat
Start	21200	End	21430
GI	none	Score	112
Exons	21200..21277, 21201..21269, 21341..21430		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27236	Strand	-
Start	67755	End	70326
Name	OJ990820_08.9C17.C20.o8.tm	Method	TBLASTX:Maize
Start	21341	End	21674
GI	none	Score	82
Exons	21341..21430, 21363..21431, 21492..21674, 21515..21607, 21640..21654		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27236	Strand	-
Start	67755	End	70326
Name	OJ990820_08.9C17.C20.o11.tm	Method	TBLASTX:Maize
Start	25860	End	30908
GI	none	Score	105
Exons	25860..25946, 26051..26107, 26325..26453, 26328..26432, 26329..26433, 26771..26887, 26771..26887, 26773..26895, 26778..26894, 27441..27569, 27441..27530, 27445..27534, 27446..27535, 28177..28290, 28199..28291, 28199..28291, 28207..28293, 29047..29196, 29047..29133, 29049..29192, 29061..29210, 30012..30128, 30027..30128, 30031..30129, 30818..30907, 30821..30907, 30822..30908		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27236	Strand	-
Start	67755	End	70326
Name	OJ990820_08.9C17.C20.o2.ts	Method	TBLASTX:Soybean
Start	30031	End	35692
GI	none	Score	149
Exons	30031..30129, 30031..30129, 30820..30906, 30821..30907,		

30822..30908, 31471..31596, 31479..31595, 31489..31602,
31584..31679, 31600..31677, 32520..32648, 32526..32645,
32527..32646, 32528..32668, 32726..32806, 32732..32800,
33705..33809, 33717..33806, 33974..34030, 33975..34031,
34154..34369, 34162..34365, 34476..34649, 34478..34621,
34695..34781, 34696..34779, 35242..35295, 35411..35692,
35413..35526, 35426..35635, 35427..35687

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27236	Strand	-
Start	67755	End	70326
Name	OJ990820_08.9C17.C20.o2.tm	Method	TBLASTX:Maize
Start	31492	End	35708
GI	none	Score	276

Exons 31492..31677, 31494..31679, 32526..32645, 32527..32646,
32527..32643, 32528..32647, 32722..32784, 32726..32785,
32726..32806, 33700..33801, 33704..33802, 33705..33809,
33705..33806, 33975..34031, 33981..34031, 33982..34035,
34154..34369, 34177..34359, 34476..34622, 34477..34620,
34478..34621, 34690..34782, 34693..34779, 34703..34783,
35242..35298, 35363..35707, 35376..35708

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27236	Strand	-
Start	67755	End	70326
Name	OJ990820_08.9C17.C20.o4.tc	Method	TBLASTX:Cress
Start	31543	End	33806
GI	none	Score	75

Exons 31543..31602, 31584..31679, 31600..31677, 32526..32645,
32526..32648, 32528..32668, 32724..32801, 32726..32806,
33705..33806

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27236	Strand	-
Start	67755	End	70326
Name	OJ990820_08.9C17.C20.o2.tc	Method	TBLASTX:Cress
Start	35423	End	35687
GI	none	Score	346

Exons 35423..35677, 35427..35687

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27236	Strand	-
Start	67755	End	70326
Name	OJ990820_08.9C17.C20.o8.tw	Method	TBLASTX:Wheat
Start	37833	End	45190
GI	none	Score	122

Exons 37833..37949, 44929..45189, 44979..45170, 45008..45190

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27236	Strand	-
Start	67755	End	70326
Name	OJ990820_08.9C17.C20.o7.tw	Method	TBLASTX:Wheat
Start	40232	End	40654
GI	none	Score	245

Exons 40232..40489, 40261..40488, 40488..40574, 40513..40650,
40517..40654

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27236	Strand	-
Start	67755	End	70326
Name	OJ990820_08.9C17.C20.o6.ts	Method	TBLASTX:Soybean
Start	40265	End	40684
GI	none	Score	162
Exons	40265..40534, 40373..40534, 40526..40684, 40543..40647		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27236	Strand	-
Start	67755	End	70326
Name	OJ990820_08.9C17.C20.o12.tm	Method	TBLASTX:Maize
Start	41954	End	42137
GI	none	Score	204
Exons	41954..42136, 41955..42137		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27236	Strand	-
Start	67755	End	70326
Name	OJ990820_08.9C17.C20.o5.tw	Method	TBLASTX:Wheat
Start	41973	End	42509
GI	none	Score	365
Exons	41973..42509, 42164..42469, 42192..42509		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27236	Strand	-
Start	67755	End	70326
Name	OJ990820_08.9C17.C20.o7.ts	Method	TBLASTX:Soybean
Start	41976	End	42359
GI	none	Score	134
Exons	41976..42155, 42159..42359		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27236	Strand	-
Start	67755	End	70326
Name	OJ990820_08.9C17.C20.o6.tm	Method	TBLASTX:Maize
Start	44941	End	45249
GI	none	Score	311
Exons	44941..45249, 44944..45246		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27236	Strand	-
Start	67755	End	70326
Name	OJ990820_08.9C17.C20.o3.tm	Method	TBLASTX:Maize
Start	45767	End	46116
GI	none	Score	239
Exons	45767..46045, 45772..46050, 45774..46040, 46075..46116		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27236	Strand	-
Start	67755	End	70326
Name	OJ990820_08.9C17.C20.o9.tm	Method	TBLASTX:Maize
Start	46258	End	46693
GI	none	Score	72
Exons	46258..46380, 46403..46693, 46510..46686		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20

Gene No.	27236	Strand	-
Start	67755	End	70326
Name	OJ990820_08.9C17.C20.o9.tw	Method	TBLASTX:Wheat
Start	46336	End	46536
GI	none	Score	81
Exons	46336..46407, 46344..46406, 46405..46536, 46406..46534		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27236	Strand	-
Start	67755	End	70326
Name	OJ990820_08.9C17.C20.o4.ts	Method	TBLASTX:Soybean
Start	46481	End	46879
GI	none	Score	207
Exons	46481..46702, 46483..46698, 46706..46879		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27236	Strand	-
Start	67755	End	70326
Name	OJ990820_08.9C17.C20.o1.tw	Method	TBLASTX:Wheat
Start	46537	End	47284
GI	none	Score	296
Exons	46537..46998, 46537..47280, 46544..47284, 47093..47284		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27236	Strand	-
Start	67755	End	70326
Name	OJ990820_08.9C17.C20.o3.ts	Method	TBLASTX:Soybean
Start	47204	End	47668
GI	5509260	Score	392
Exons	47204..47668, 47299..47460, 47491..47520		
GI Descrip.	-		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27236	Strand	-
Start	67755	End	70326
Name	OJ990820_08.9C17.C20.o3.tc	Method	TBLASTX:Cress
Start	47297	End	47557
GI	none	Score	291
Exons	47297..47557, 47299..47469		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27236	Strand	-
Start	67755	End	70326
Name	OJ990820_08.9C17.C20.o4.tm	Method	TBLASTX:Maize
Start	47338	End	47803
GI	none	Score	353
Exons	47338..47469, 47339..47803, 47474..47554, 47590..47688		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27236	Strand	-
Start	67755	End	70326
Name	OJ990820_08.9C17.C20.o3.tw	Method	TBLASTX:Wheat
Start	47339	End	47884
GI	none	Score	317
Exons	47339..47683, 47356..47520, 47675..47884		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20

Gene No.	27236	Strand	-
Start	67755	End	70326
Name	OJ990820_08.9C17.C20.o5.ts	Method	TBLASTX:Soybean
Start	47737	End	48085
GI	none	Score	144
Exons	47737..47865, 47738..47896, 47897..48085, 47968..48084		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27236	Strand	-
Start	67755	End	70326
Name	OJ990820_08.9C17.C20.o5.tm	Method	TBLASTX:Maize
Start	47888	End	48236
GI	none	Score	324
Exons	47888..48235, 47894..48226, 47902..48234, 47988..48236		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27236	Strand	-
Start	67755	End	70326
Name	OJ990820_08.9C17.C20.o8.ts	Method	TBLASTX:Soybean
Start	48086	End	48439
GI	none	Score	97
Exons	48086..48211, 48230..48439		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27236	Strand	-
Start	67755	End	70326
Name	OJ990820_08.9C17.C20.o2.tw	Method	TBLASTX:Wheat
Start	48092	End	48567
GI	none	Score	109
Exons	48092..48166, 48093..48158, 48097..48186, 48097..48165, 48173..48562, 48181..48567		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27236	Strand	-
Start	67755	End	70326
Name	OJ990820_08.9C17.C20.o13.tm	Method	TBLASTX:Maize
Start	63900	End	64899
GI	none	Score	126
Exons	63900..63980, 63941..63979, 64065..64115, 64081..64143, 64138..64209, 64152..64208, 64840..64899		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27236	Strand	-
Start	67755	End	70326
Name	OJ990820_08.9C17.C20.o12.tw	Method	TBLASTX:Wheat
Start	63903	End	64919
GI	none	Score	108
Exons	63903..63968, 63941..63973, 64065..64148, 64081..64146, 64088..64153, 64091..64156, 64138..64209, 64138..64185, 64152..64196, 64839..64919, 64840..64914		

Seq. No.	12883	Seq. ID	OJ990820_08.9C17.C20
Gene No.	27236	Strand	-
Start	67755	End	70326
Name	OJ990820_08.9C17.C20.o12.gs	Method	GENSCAN
Start	67755	End	70326
GI	none	Score	.67

Exons	67755..67793, 68315..68393, 70289..70326		
Seq. No.	12884	Seq. ID	OJ990820_08.9C17.C21
Gene No.	27237	Strand	+
Start	1	End	758
Name	OJ990820_08.9C17.C21.o1.np	Method	AAT/NAP
Start	1	End	758
GI	1173624	Score	761
Exons	1..59, 159..758		
GI Descrip.	(U34744) cytochrome P-450 [Phalaenopsis sp. 'hybrid SM9108']		
Seq. No.	12884	Seq. ID	OJ990820_08.9C17.C21
Gene No.	27237	Strand	+
Start	1	End	758
Name	OJ990820_08.9C17.C21.o1.gs	Method	GENSCAN
Start	27	End	758
GI	none	Score	.87
Exons	27..758		
Seq. No.	12884	Seq. ID	OJ990820_08.9C17.C21
Gene No.	27237	Strand	+
Start	1	End	758
Name	OJ990820_08.9C17.C21.o1.gp	Method	AAT/GAP
Start	278	End	706
GI	18425_1.R1084	Score	813
Exons	278..706		
GI Descrip.	'1173624 3.0e-49 (U34744) cytochrome P-450 [Phalaenopsis sp. ''hybrid SM9108'']'		
Seq. No.	12884	Seq. ID	OJ990820_08.9C17.C21
Gene No.	27238	Strand	+
Start	1295	End	3409
Name	OJ990820_08.9C17.C21.o2.gs	Method	GENSCAN
Start	1295	End	3409
GI	none	Score	.49
Exons	1295..1513, 3374..3409		
Seq. No.	12884	Seq. ID	OJ990820_08.9C17.C21
Gene No.	27239	Strand	+
Start	4738	End	6455
Name	OJ990820_08.9C17.C21.o1.ts	Method	TBLASTX:Soybean
Start	3	End	752
GI	none	Score	60
Exons	3..59, 125..427, 144..419, 414..677, 414..533, 672..752		
Seq. No.	12884	Seq. ID	OJ990820_08.9C17.C21
Gene No.	27239	Strand	+
Start	4738	End	6455
Name	OJ990820_08.9C17.C21.o1.tm	Method	TBLASTX:Maize
Start	111	End	752
GI	none	Score	166
Exons	111..278, 131..277, 276..521, 276..521, 522..752, 605..727		
Seq. No.	12884	Seq. ID	OJ990820_08.9C17.C21
Gene No.	27239	Strand	+
Start	4738	End	6455
Name	OJ990820_08.9C17.C21.o1.tw	Method	TBLASTX:Wheat

Start	126	End	461
GI	none	Score	170
Exons	126..377, 128..370, 291..380,	401..460,	402..461

Seq. No.	12884	Seq. ID	OJ990820_08.9C17.C21
Gene No.	27239	Strand	+
Start	4738	End	6455
Name	OJ990820_08.9C17.C21.o1.tc	Method	TBLASTX:Cress
Start	149	End	662
GI	none	Score	179
Exons	149..376, 159..377, 387..662		

Seq. No.	12884	Seq. ID	OJ990820_08.9C17.C21
Gene No.	27239	Strand	+
Start	4738	End	6455
Name	OJ990820_08.9C17.C21.o2.tw	Method	TBLASTX:Wheat
Start	531	End	708
GI	none	Score	185
Exons	531..668, 627..668, 661..708		

Seq. No.	12884	Seq. ID	OJ990820_08.9C17.C21
Gene No.	27239	Strand	+
Start	4738	End	6455
Name	OJ990820_08.9C17.C21.o2.np	Method	AAT/NAP
Start	4738	End	6455
GI	5042444	Score	381
Exons	4738..4890, 4994..5253, 6424..6455		
GI Descrip.	(AC007789) putative low molecular early light-inducible protein [Oryza sativa]		

Seq. No.	12885	Seq. ID	OJ990820_08.9C17.C23
Gene No.	27240	Strand	-
Start	1	End	1822
Name	OJ990820_08.9C17.C23.o1.np	Method	AAT/NAP
Start	1	End	356
GI	5902444	Score	547
Exons	1..356		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	12885	Seq. ID	OJ990820_08.9C17.C23
Gene No.	27240	Strand	-
Start	1	End	1822
Name	OJ990820_08.9C17.C23.o1.gs	Method	GENSCAN
Start	18	End	1822
GI	none	Score	.48
Exons	18..138, 186..360, 796..942,	1422..1541,	1809..1822

Seq. No.	12886	Seq. ID	OJ990820_08.9C17.C24
Gene No.	27241	Strand	+
Start	1	End	174
Name	OJ990820_08.9C17.C24.o1.np	Method	AAT/NAP
Start	1	End	174
GI	5902446	Score	272
Exons	1..174		
GI Descrip.	(AB030283) orf5 [Oryza sativa]		

Seq. No.	12886	Seq. ID	OJ990820_08.9C17.C24

Gene No.	27242	Strand	-
Start	493	End	575
Name	OJ990820_08.9C17.C24.o1.gs	Method	GENSCAN
Start	493	End	575
GI	none	Score	.64
Exons	493..575		

Seq. No.	12886	Seq. ID	OJ990820_08.9C17.C24
Gene No.	27243	Strand	-
Start	496	End	686
Name	OJ990820_08.9C17.C24.o2.np	Method	AAT/NAP
Start	496	End	686
GI	4680180	Score	312
Exons	496..686		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	12887	Seq. ID	OJ990820_08.9C17.C27
Gene No.	27244	Strand	+
Start	15	End	295
Name	OJ990820_08.9C17.C27.o1.gp	Method	AAT/GAP
Start	15	End	295
GI	41611_1.R1084	Score	527
Exons	15..295		
GI Descrip.	'4585976/gb|AAD25612.1|AC005287_14 3.0e-21 (AC005287) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	12887	Seq. ID	OJ990820_08.9C17.C27
Gene No.	27244	Strand	+
Start	15	End	295
Name	OJ990820_08.9C17.C27.o1.gs	Method	GENSCAN
Start	187	End	295
GI	none	Score	.96
Exons	187..295		

Seq. No.	12888	Seq. ID	OJ990820_08.9C17.C28
Gene No.	27245	Strand	+
Start	1	End	296
Name	OJ990820_08.9C17.C28.o1.np	Method	AAT/NAP
Start	1	End	296
GI	4006893	Score	264
Exons	1..129, 213..296		
GI Descrip.	(Z99708) aminopeptidase-like protein [Arabidopsis thaliana]		

Seq. No.	12888	Seq. ID	OJ990820_08.9C17.C28
Gene No.	27246	Strand	+
Start	213	End	347
Name	OJ990820_08.9C17.C28.o1.tc	Method	TBLASTX:Cress
Start	1	End	290
GI	none	Score	181
Exons	1..129, 3..125, 209..235, 210..236, 240..290		

Seq. No.	12888	Seq. ID	OJ990820_08.9C17.C28
Gene No.	27246	Strand	+
Start	213	End	347
Name	OJ990820_08.9C17.C28.o1.tm	Method	TBLASTX:Maize
Start	1	End	296
GI	none	Score	208

Exons	1..129, 1..129, 209..295, 210..296		
Seq. No.	12888	Seq. ID	OJ990820_08.9C17.C28
Gene No.	27246	Strand	+
Start	213	End	347
Name	OJ990820_08.9C17.C28.o1.ts	Method	TBLASTX:Soybean
Start	1	End	347
GI	none	Score	177
Exons	1..132, 3..131, 180..323, 197..295, 198..347		
Seq. No.	12888	Seq. ID	OJ990820_08.9C17.C28
Gene No.	27246	Strand	+
Start	213	End	347
Name	OJ990820_08.9C17.C28.o1.gs	Method	GENSCAN
Start	213	End	293
GI	none	Score	.4
Exons	213..293		
Seq. No.	12889	Seq. ID	OJ990820_08.9C17.C31
Gene No.	27247	Strand	-
Start	48	End	239
Name	OJ990820_08.9C17.C31.o1.gs	Method	GENSCAN
Start	48	End	239
GI	none	Score	.91
Exons	48..239		
Seq. No.	12890	Seq. ID	OJ990820_08.9C17.C34
Gene No.	27248	Strand	-
Start	199	End	432
Name	OJ990820_08.9C17.C34.o1.gs	Method	GENSCAN
Start	199	End	432
GI	none	Score	.82
Exons	199..432		
Seq. No.	12891	Seq. ID	OJ990820_08.9C17.C35
Gene No.	27249	Strand	+
Start	1	End	950
Name	OJ990820_08.9C17.C35.o1.gp	Method	AAT/GAP
Start	1	End	629
GI	9573_1.R1084	Score	884
Exons	1..310, 413..629		
GI Descrip.	'2660676 2.0e-67 (AC002342) Dreg-2 like protein [Arabidopsis thaliana]'		
Seq. No.	12891	Seq. ID	OJ990820_08.9C17.C35
Gene No.	27249	Strand	+
Start	1	End	950
Name	OJ990820_08.9C17.C35.o1.np	Method	AAT/NAP
Start	47	End	950
GI	2660676	Score	907
Exons	47..310, 413..619, 730..950		
GI Descrip.	(AC002342) Dreg-2 like protein [Arabidopsis thaliana]		
Seq. No.	12891	Seq. ID	OJ990820_08.9C17.C35
Gene No.	27249	Strand	+
Start	1	End	950
Name	OJ990820_08.9C17.C35.o1.gs	Method	GENSCAN

Start	53	End	902
GI	none	Score	.89
Exons	53..310, 413..619, 727..902		

Seq. No.	12891	Seq. ID	OJ990820_08.9C17.C35
Gene No.	27250	Strand	-
Start	876	End	950
Name	OJ990820_08.9C17.C35.o1.ts	Method	TBLASTX:Soybean
Start	29	End	879
GI	none	Score	396
Exons	29..310, 52..309, 82..312, 90..341, 389..619, 412..615, 717..878, 721..879		

Seq. No.	12891	Seq. ID	OJ990820_08.9C17.C35
Gene No.	27250	Strand	-
Start	876	End	950
Name	OJ990820_08.9C17.C35.o2.tm	Method	TBLASTX:Maize
Start	149	End	469
GI	none	Score	281
Exons	149..310, 156..254, 157..312, 157..309, 379..468, 389..469		

Seq. No.	12891	Seq. ID	OJ990820_08.9C17.C35
Gene No.	27250	Strand	-
Start	876	End	950
Name	OJ990820_08.9C17.C35.o1.tm	Method	TBLASTX:Maize
Start	560	End	948
GI	none	Score	101
Exons	560..619, 562..615, 721..948, 729..947		

Seq. No.	12891	Seq. ID	OJ990820_08.9C17.C35
Gene No.	27250	Strand	-
Start	876	End	950
Name	OJ990820_08.9C17.C35.o2.gp	Method	AAT/GAP
Start	876	End	950
GI	1270_1.R1084	Score	142
Exons	876..950		
GI Descrip.	'1362147/pir||S56690 2.0e-17 hypothetical protein (clone AFD1) - wild oat (fragment) >gi_726471 (U19996) putative ORF1 [Avena fatua]'		

Seq. No.	12892	Seq. ID	OJ990820_08.9C17.C37
Gene No.	27251	Strand	-
Start	1	End	268
Name	OJ990820_08.9C17.C37.o1.np	Method	AAT/NAP
Start	1	End	268
GI	4680182	Score	89
Exons	1..268		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	12892	Seq. ID	OJ990820_08.9C17.C37
Gene No.	27251	Strand	-
Start	1	End	268
Name	OJ990820_08.9C17.C37.o1.tm	Method	TBLASTX:Maize
Start	2	End	185
GI	none	Score	153
Exons	2..178, 3..185, 87..185		

Seq. No.	12892	Seq. ID	OJ990820_08.9C17.C37
Gene No.	27251	Strand	-
Start	1	End	268
Name	OJ990820_08.9C17.C37.o1.gs	Method	GENSCAN
Start	79	End	250
GI	none	Score	.93
Exons	79..250		

Seq. No.	12893	Seq. ID	OJ990820_08.9C17.C39
Gene No.	27252	Strand	+
Start	1	End	582
Name	OJ990820_08.9C17.C39.o1.np	Method	AAT/NAP
Start	1	End	582
GI	4680179	Score	414
Exons	1..582		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	12893	Seq. ID	OJ990820_08.9C17.C39
Gene No.	27252	Strand	+
Start	1	End	582
Name	OJ990820_08.9C17.C39.o1.tm	Method	TBLASTX:Maize
Start	15	End	368
GI	none	Score	188
Exons	15..368		

Seq. No.	12893	Seq. ID	OJ990820_08.9C17.C39
Gene No.	27252	Strand	+
Start	1	End	582
Name	OJ990820_08.9C17.C39.o1.gs	Method	GENSCAN
Start	22	End	555
GI	none	Score	.44
Exons	22..27, 72..102, 289..555		

Seq. No.	12893	Seq. ID	OJ990820_08.9C17.C39
Gene No.	27252	Strand	+
Start	1	End	582
Name	OJ990820_08.9C17.C39.o1.tw	Method	TBLASTX:Wheat
Start	51	End	473
GI	none	Score	164
Exons	51..260, 107..259, 305..418, 306..473		

Seq. No.	12894	Seq. ID	OJ990820_08.9C17.C40
Gene No.	27253	Strand	+
Start	1	End	417
Name	OJ990820_08.9C17.C40.o1.np	Method	AAT/NAP
Start	1	End	417
GI	6630459	Score	96
Exons	1..122, 201..417		
GI Descrip.	(AC007190) F23N19.12 [Arabidopsis thaliana]		

Seq. No.	12894	Seq. ID	OJ990820_08.9C17.C40
Gene No.	27254	Strand	-
Start	239	End	368
Name	OJ990820_08.9C17.C40.o1.gs	Method	GENSCAN
Start	239	End	368
GI	none	Score	.94
Exons	239..368		

Seq. No.	12895	Seq. ID	OJ990820_08.9C17.C41
Gene No.	27255	Strand	+
Start	1	End	651
Name	OJ990820_08.9C17.C41.o1.np	Method	AAT/NAP
Start	1	End	651
GI	4680179	Score	941
Exons	1..651		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	12895	Seq. ID	OJ990820_08.9C17.C41
Gene No.	27255	Strand	+
Start	1	End	651
Name	OJ990820_08.9C17.C41.o1.tw	Method	TBLASTX:Wheat
Start	1	End	284
GI	none	Score	85
Exons	1..198, 2..283, 3..284		

Seq. No.	12895	Seq. ID	OJ990820_08.9C17.C41
Gene No.	27255	Strand	+
Start	1	End	651
Name	OJ990820_08.9C17.C41.o2.tm	Method	TBLASTX:Maize
Start	3	End	206
GI	none	Score	199
Exons	3..206		

Seq. No.	12895	Seq. ID	OJ990820_08.9C17.C41
Gene No.	27255	Strand	+
Start	1	End	651
Name	OJ990820_08.9C17.C41.o1.tm	Method	TBLASTX:Maize
Start	213	End	651
GI	none	Score	68
Exons	213..284, 310..357, 418..651, 471..599		

Seq. No.	12895	Seq. ID	OJ990820_08.9C17.C41
Gene No.	27255	Strand	+
Start	1	End	651
Name	OJ990820_08.9C17.C41.o1.ts	Method	TBLASTX:Soybean
Start	267	End	651
GI	none	Score	37
Exons	267..287, 295..363, 300..353, 301..639, 418..651, 426..647		

Seq. No.	12895	Seq. ID	OJ990820_08.9C17.C41
Gene No.	27255	Strand	+
Start	1	End	651
Name	OJ990820_08.9C17.C41.o2.tw	Method	TBLASTX:Wheat
Start	401	End	651
GI	none	Score	46
Exons	401..475, 421..651, 423..650		

Seq. No.	12896	Seq. ID	OJ990820_08.9C17.C42
Gene No.	27256	Strand	-
Start	49	End	362
Name	OJ990820_08.9C17.C42.o1.gs	Method	GENSCAN
Start	49	End	362
GI	none	Score	.77
Exons	49..73, 253..362		

Seq. No.	12897	Seq. ID	OJ990820_08.9C17.C43
Gene No.	27257	Strand	-
Start	397	End	1652
Name	OJ990820_08.9C17.C43.o1.np	Method	AAT/NAP
Start	397	End	1652
GI	4680183	Score	140
Exons	397..521, 1550..1652		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	12898	Seq. ID	OJ990820_08.9C17.C44
Gene No.	27258	Strand	-
Start	22	End	1243
Name	OJ990820_08.9C17.C44.o1.gs	Method	GENSCAN
Start	22	End	1243
GI	none	Score	.45
Exons	22..200, 952..1243		

Seq. No.	12899	Seq. ID	OJ990820_08.9C17.C47
Gene No.	27259	Strand	-
Start	23	End	215
Name	OJ990820_08.9C17.C47.o1.np	Method	AAT/NAP
Start	23	End	215
GI	5852180	Score	167
Exons	23..215		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	12900	Seq. ID	OJ990820_08.9C17.C48
Gene No.	27260	Strand	+
Start	1	End	204
Name	OJ990820_08.9C17.C48.o1.gp	Method	AAT/GAP
Start	1	End	204
GI	61605_1.R1084	Score	350
Exons	1..204		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	12901	Seq. ID	OJ990820_08.9C17.C49
Gene No.	27261	Strand	-
Start	1	End	238
Name	OJ990820_08.9C17.C49.o1.np	Method	AAT/NAP
Start	1	End	238
GI	4680179	Score	333
Exons	1..238		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	12901	Seq. ID	OJ990820_08.9C17.C49
Gene No.	27261	Strand	-
Start	1	End	238
Name	OJ990820_08.9C17.C49.o1.tw	Method	TBLASTX:Wheat
Start	1	End	238
GI	none	Score	164
Exons	1..237, 8..238		

Seq. No.	12901	Seq. ID	OJ990820_08.9C17.C49
Gene No.	27261	Strand	-
Start	1	End	238

Name	OJ990820_08.9C17.C49.o1.tm	Method	TBLASTX:Maize
Start	7	End	213
GI	none	Score	70
Exons	7..213, 49..189		

Seq. No.	12902	Seq. ID	OJ990820_08.9C17.C50
Gene No.	27262	Strand	-
Start	25	End	1661
Name	OJ990820_08.9C17.C50.o1.gs	Method	GENSCAN
Start	25	End	1661
GI	none	Score	.48
Exons	25..918, 978..1272, 1579..1661		

Seq. No.	12903	Seq. ID	OJ990820_08.9C17.C51
Gene No.	27263	Strand	+
Start	1255	End	1455
Name	OJ990820_08.9C17.C51.o1.np	Method	AAT/NAP
Start	1255	End	1455
GI	4680186	Score	143
Exons	1255..1455		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	12903	Seq. ID	OJ990820_08.9C17.C51
Gene No.	27264	Strand	-
Start	420	End	1259
Name	OJ990820_08.9C17.C51.o1.gs	Method	GENSCAN
Start	420	End	1259
GI	none	Score	.6
Exons	420..486, 1141..1259		

Seq. No.	12904	Seq. ID	OJ990820_08.9C17.C52
Gene No.	27265	Strand	-
Start	9	End	642
Name	OJ990820_08.9C17.C52.o1.gs	Method	GENSCAN
Start	9	End	504
GI	none	Score	.61
Exons	9..270, 383..504		

Seq. No.	12904	Seq. ID	OJ990820_08.9C17.C52
Gene No.	27265	Strand	-
Start	9	End	642
Name	OJ990820_08.9C17.C52.o1.np	Method	AAT/NAP
Start	12	End	642
GI	4680179	Score	820
Exons	12..642		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	12904	Seq. ID	OJ990820_08.9C17.C52
Gene No.	27265	Strand	-
Start	9	End	642
Name	OJ990820_08.9C17.C52.o1.tm	Method	TBLASTX:Maize
Start	238	End	642
GI	none	Score	181
Exons	238..642, 254..640		

Seq. No.	12904	Seq. ID	OJ990820_08.9C17.C52
Gene No.	27265	Strand	-

Start	9	End	642
Name	OJ990820_08.9C17.C52.o1.tw	Method	TBLASTX:Wheat
Start	265	End	565
GI	none	Score	149
Exons	265..564, 266..454, 503..565		

Seq. No.	12905	Seq. ID	OJ990820_08.9C17.C53
Gene No.	27266	Strand	-
Start	1	End	1041
Name	OJ990820_08.9C17.C53.o1.np	Method	AAT/NAP
Start	1	End	1041
GI	4680179	Score	1511
Exons	1..1041		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	12905	Seq. ID	OJ990820_08.9C17.C53
Gene No.	27266	Strand	-
Start	1	End	1041
Name	OJ990820_08.9C17.C53.o2.tw	Method	TBLASTX:Wheat
Start	2	End	339
GI	none	Score	55
Exons	2..82, 3..71, 68..334, 71..331, 73..339, 228..266		

Seq. No.	12905	Seq. ID	OJ990820_08.9C17.C53
Gene No.	27266	Strand	-
Start	1	End	1041
Name	OJ990820_08.9C17.C53.o1.tm	Method	TBLASTX:Maize
Start	65	End	381
GI	none	Score	174
Exons	65..358, 67..276, 68..370, 73..381		

Seq. No.	12905	Seq. ID	OJ990820_08.9C17.C53
Gene No.	27266	Strand	-
Start	1	End	1041
Name	OJ990820_08.9C17.C53.o1.gs	Method	GENSCAN
Start	175	End	1015
GI	none	Score	.75
Exons	175..780, 782..1015		

Seq. No.	12905	Seq. ID	OJ990820_08.9C17.C53
Gene No.	27266	Strand	-
Start	1	End	1041
Name	OJ990820_08.9C17.C53.o1.ts	Method	TBLASTX:Soybean
Start	297	End	558
GI	none	Score	183
Exons	297..494, 298..558, 299..547		

Seq. No.	12905	Seq. ID	OJ990820_08.9C17.C53
Gene No.	27266	Strand	-
Start	1	End	1041
Name	OJ990820_08.9C17.C53.o1.tc	Method	TBLASTX:Cress
Start	322	End	648
GI	none	Score	84
Exons	322..465, 341..463, 466..648		

Seq. No.	12905	Seq. ID	OJ990820_08.9C17.C53
Gene No.	27266	Strand	-

Start	1	End	1041
Name	OJ990820_08.9C17.C53.o1.tw	Method	TBLASTX:Wheat
Start	345	End	886
GI	none	Score	151
Exons	345..626, 346..759, 350..721, 704..886		

Seq. No.	12905	Seq. ID	OJ990820_08.9C17.C53
Gene No.	27266	Strand	-
Start	1	End	1041
Name	OJ990820_08.9C17.C53.o2.tm	Method	TBLASTX:Maize
Start	382	End	729
GI	none	Score	153
Exons	382..702, 383..703, 397..729		

Seq. No.	12905	Seq. ID	OJ990820_08.9C17.C53
Gene No.	27266	Strand	-
Start	1	End	1041
Name	OJ990820_08.9C17.C53.o3.tw	Method	TBLASTX:Wheat
Start	914	End	1040
GI	none	Score	83
Exons	914..1036, 914..1039, 921..1040		

Seq. No.	12906	Seq. ID	OJ990820_08.9C17.C54
Gene No.	27267	Strand	+
Start	330	End	813
Name	OJ990820_08.9C17.C54.o1.gs	Method	GENSCAN
Start	330	End	813
GI	none	Score	.59
Exons	330..402, 728..813		

Seq. No.	12906	Seq. ID	OJ990820_08.9C17.C54
Gene No.	27268	Strand	+
Start	1244	End	1556
Name	OJ990820_08.9C17.C54.o2.gp	Method	AAT/GAP
Start	1244	End	1556
GI	uC-osflcyp033a04b1	Score	565
Exons	1244..1556		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	12906	Seq. ID	OJ990820_08.9C17.C54
Gene No.	27269	Strand	-
Start	1	End	1556
Name	OJ990820_08.9C17.C54.o1.np	Method	AAT/NAP
Start	1	End	1556
GI	5852180	Score	454
Exons	1..324, 376..493, 1469..1556		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	12907	Seq. ID	OJ990820_08.9C17.C57
Gene No.	27270	Strand	-
Start	1	End	228
Name	OJ990820_08.9C17.C57.o1.np	Method	AAT/NAP
Start	1	End	228
GI	322652	Score	80
Exons	1..228		
GI Descrip.	S-receptor kinase (EC 2.7.1.-) precursor - rape gi|167181		

(M97667) serine/threonine kinase receptor [Brassica napus]

Seq. No.	12908	Seq. ID	OJ990820_08.9C17.C60
Gene No.	27271	Strand	+
Start	1	End	426
Name	OJ990820_08.9C17.C60.o1.np	Method	AAT/NAP
Start	1	End	394
GI	4512231	Score	594
Exons	1..394		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	12908	Seq. ID	OJ990820_08.9C17.C60
Gene No.	27271	Strand	+
Start	1	End	426
Name	OJ990820_08.9C17.C60.o1.gs	Method	GENSCAN
Start	4	End	426
GI	none	Score	.68
Exons	4..426		

Seq. No.	12909	Seq. ID	OJ990820_08.9C17.C61
Gene No.	27272	Strand	-
Start	45	End	429
Name	OJ990820_08.9C17.C61.o1.gs	Method	GENSCAN
Start	45	End	429
GI	none	Score	.85
Exons	45..281, 319..429		

Seq. No.	12910	Seq. ID	OJ990820_08.9C17.C62
Gene No.	27273	Strand	+
Start	226	End	1391
Name	OJ990820_08.9C17.C62.o1.gs	Method	GENSCAN
Start	226	End	1195
GI	none	Score	.5
Exons	226..307, 802..1195		

Seq. No.	12910	Seq. ID	OJ990820_08.9C17.C62
Gene No.	27273	Strand	+
Start	226	End	1391
Name	OJ990820_08.9C17.C62.o1.np	Method	AAT/NAP
Start	287	End	1391
GI	5852179	Score	242
Exons	287..307, 735..957, 1030..1241, 1351..1391		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	12911	Seq. ID	OJ990830_08.9C13.C2
Gene No.	27274	Strand	-
Start	625	End	1747
Name	OJ990830_08.9C13.C2.o1.gs	Method	GENSCAN
Start	625	End	1747
GI	none	Score	.48
Exons	625..687, 981..1053, 1339..1512, 1617..1747		

Seq. No.	12912	Seq. ID	OJ990830_08.9C13.C3
Gene No.	27275	Strand	+
Start	126	End	1813
Name	OJ990830_08.9C13.C3.o1.gs	Method	GENSCAN
Start	126	End	1813

GI	none	Score	.84
Exons	126..179, 1691..1813		
Seq. No.	12913	Seq. ID	OJ990830_08.9C13.C5
Gene No.	27276	Strand	+
Start	8307	End	10260
Name	OJ990830_08.9C13.C5.o3.gs	Method	GENSCAN
Start	8307	End	10260
GI	none	Score	.58
Exons	8307..8374, 8475..8626, 10190..10260		
Seq. No.	12913	Seq. ID	OJ990830_08.9C13.C5
Gene No.	27277	Strand	-
Start	1392	End	2920
Name	OJ990830_08.9C13.C5.o1.gs	Method	GENSCAN
Start	1392	End	2920
GI	none	Score	.85
Exons	1392..1538, 2539..2697, 2699..2920		
Seq. No.	12913	Seq. ID	OJ990830_08.9C13.C5
Gene No.	27278	Strand	-
Start	3827	End	5545
Name	OJ990830_08.9C13.C5.o2.gs	Method	GENSCAN
Start	3827	End	5545
GI	none	Score	.56
Exons	3827..5545		
Seq. No.	12913	Seq. ID	OJ990830_08.9C13.C5
Gene No.	27278	Strand	-
Start	3827	End	5545
Name	OJ990830_08.9C13.C5.o1.gp	Method	AAT/GAP
Start	4635	End	4975
GI	3061236	Score	663
Exons	4635..4975		
Seq. No.	12913	Seq. ID	OJ990830_08.9C13.C5
Gene No.	27279	Strand	-
Start	11549	End	12181
Name	OJ990830_08.9C13.C5.o1.ts	Method	TBLASTX:Soybean
Start	3911	End	4162
GI	none	Score	54
Exons	3911..4036, 3936..4037, 4016..4162, 4053..4112		
Seq. No.	12913	Seq. ID	OJ990830_08.9C13.C5
Gene No.	27279	Strand	-
Start	11549	End	12181
Name	OJ990830_08.9C13.C5.o4.gs	Method	GENSCAN
Start	11549	End	12181
GI	none	Score	.61
Exons	11549..11620, 11891..11955, 12139..12181		
Seq. No.	12914	Seq. ID	OJ990830_08.9C13.C6
Gene No.	27280	Strand	+
Start	116	End	894
Name	OJ990830_08.9C13.C6.o1.ts	Method	TBLASTX:Soybean
Start	114	End	412
GI	none	Score	81

Exons	114..185, 115..183, 281..403, 286..405, 287..412		
Seq. No.	12914	Seq. ID	OJ990830_08.9C13.C6
Gene No.	27280	Strand	+
Start	116	End	894
Name	OJ990830_08.9C13.C6.o1.np	Method	AAT/NAP
Start	116	End	894
GI	4586113	Score	137
Exons	116..220, 285..440, 810..894		
GI Descrip.	(AL049638) putative DNA-binding protein [Arabidopsis thaliana]		
Seq. No.	12914	Seq. ID	OJ990830_08.9C13.C6
Gene No.	27280	Strand	+
Start	116	End	894
Name	OJ990830_08.9C13.C6.o1.tm	Method	TBLASTX:Maize
Start	151	End	418
GI	none	Score	52
Exons	151..183, 153..185, 286..417, 287..418		
Seq. No.	12915	Seq. ID	OJ990830_08.9C13.C7
Gene No.	27281	Strand	+
Start	1055	End	2135
Name	OJ990830_08.9C13.C7.o1.gs	Method	GENSCAN
Start	1055	End	2022
GI	none	Score	.82
Exons	1055..1093, 1288..1506, 1645..2022		
Seq. No.	12915	Seq. ID	OJ990830_08.9C13.C7
Gene No.	27281	Strand	+
Start	1055	End	2135
Name	OJ990830_08.9C13.C7.o1.np	Method	AAT/NAP
Start	1288	End	2016
GI	3193332	Score	151
Exons	1288..1474, 1645..1795, 1910..2016		
GI Descrip.	(AF069299) similar to Arabidopsis AT-hook protein 1 (GB:AJ222585) [Arabidopsis thaliana]		
Seq. No.	12915	Seq. ID	OJ990830_08.9C13.C7
Gene No.	27281	Strand	+
Start	1055	End	2135
Name	OJ990830_08.9C13.C7.o1.gp	Method	AAT/GAP
Start	1779	End	2135
GI	5003392	Score	688
Exons	1779..2135		
Seq. No.	12915	Seq. ID	OJ990830_08.9C13.C7
Gene No.	27282	Strand	+
Start	5162	End	5605
Name	OJ990830_08.9C13.C7.o2.np	Method	AAT/NAP
Start	5129	End	5584
GI	6143874	Score	253
Exons	5129..5584		
GI Descrip.	(AC010927) unknown protein [Arabidopsis thaliana]		
Seq. No.	12915	Seq. ID	OJ990830_08.9C13.C7
Gene No.	27282	Strand	+
Start	5162	End	5605

Name	OJ990830_08.9C13.C7.o3.gs	Method	GENSCAN
Start	5162	End	5605
GI	none	Score	.47
Exons	5162..5605		

Seq. No.	12915	Seq. ID	OJ990830_08.9C13.C7
Gene No.	27283	Strand	+
Start	7630	End	8011
Name	OJ990830_08.9C13.C7.o2.gp	Method	AAT/GAP
Start	7630	End	8011
GI	3768823	Score	553
Exons	7630..8011		

Seq. No.	12915	Seq. ID	OJ990830_08.9C13.C7
Gene No.	27284	Strand	-
Start	2744	End	4250
Name	OJ990830_08.9C13.C7.o2.gs	Method	GENSCAN
Start	2744	End	4250
GI	none	Score	.56
Exons	2744..3061, 4158..4250		

Seq. No.	12915	Seq. ID	OJ990830_08.9C13.C7
Gene No.	27285	Strand	-
Start	6291	End	6717
Name	OJ990830_08.9C13.C7.o2.tm	Method	TBLASTX:Maize
Start	1285	End	1793
GI	none	Score	84
Exons	1285..1359, 1285..1347, 1287..1409, 1326..1448, 1345..1530, 1641..1697, 1642..1695, 1767..1793		

Seq. No.	12915	Seq. ID	OJ990830_08.9C13.C7
Gene No.	27285	Strand	-
Start	6291	End	6717
Name	OJ990830_08.9C13.C7.o1.tw	Method	TBLASTX:Wheat
Start	5161	End	5452
GI	none	Score	218
Exons	5161..5346, 5183..5362, 5321..5452, 5326..5415, 5427..5450		

Seq. No.	12915	Seq. ID	OJ990830_08.9C13.C7
Gene No.	27285	Strand	-
Start	6291	End	6717
Name	OJ990830_08.9C13.C7.o1.tm	Method	TBLASTX:Maize
Start	5167	End	5452
GI	none	Score	242
Exons	5167..5346, 5180..5362, 5326..5415, 5327..5452, 5427..5450		

Seq. No.	12915	Seq. ID	OJ990830_08.9C13.C7
Gene No.	27285	Strand	-
Start	6291	End	6717
Name	OJ990830_08.9C13.C7.o1.tc	Method	TBLASTX:Cress
Start	5231	End	5452
GI	none	Score	91
Exons	5231..5320, 5233..5319, 5338..5400, 5339..5452		

Seq. No.	12915	Seq. ID	OJ990830_08.9C13.C7
Gene No.	27285	Strand	-
Start	6291	End	6717

Name	OJ990830_08.9C13.C7.o4.gs	Method	GENSCAN
Start	6291	End	6717
GI	none	Score	.87
Exons	6291..6608, 6613..6717		

Seq. No.	12916	Seq. ID	OJ990830_08.9C13.C8
Gene No.	27286	Strand	+
Start	1847	End	4423
Name	OJ990830_08.9C13.C8.o1.gs	Method	GENSCAN
Start	1847	End	4351
GI	none	Score	.83
Exons	1847..2545, 2639..2727, 2843..2942, 3186..3305, 3793..3962, 4195..4351		

Seq. No.	12916	Seq. ID	OJ990830_08.9C13.C8
Gene No.	27286	Strand	+
Start	1847	End	4423
Name	OJ990830_08.9C13.C8.o1.np	Method	AAT/NAP
Start	1847	End	4423
GI	4580397	Score	648
Exons	1847..2055, 2113..2203, 2240..2545, 2639..2727, 2843..2942, 3186..3467, 3838..3980, 4216..4423		
GI Descrip.	(AC007171) putative ATP-dependent RNA helicase [Arabidopsis thaliana]		

Seq. No.	12916	Seq. ID	OJ990830_08.9C13.C8
Gene No.	27286	Strand	+
Start	1847	End	4423
Name	OJ990830_08.9C13.C8.o1.tm	Method	TBLASTX:Maize
Start	2248	End	2864
GI	none	Score	86
Exons	2248..2286, 2249..2308, 2294..2548, 2323..2547, 2348..2551, 2635..2727, 2636..2728, 2844..2864		

Seq. No.	12916	Seq. ID	OJ990830_08.9C13.C8
Gene No.	27286	Strand	+
Start	1847	End	4423
Name	OJ990830_08.9C13.C8.o1.ts	Method	TBLASTX:Soybean
Start	2390	End	3290
GI	none	Score	141
Exons	2390..2548, 2395..2547, 2636..2728, 2638..2712, 2844..2945, 2846..2947, 3186..3290		

Seq. No.	12916	Seq. ID	OJ990830_08.9C13.C8
Gene No.	27286	Strand	+
Start	1847	End	4423
Name	OJ990830_08.9C13.C8.o1.tc	Method	TBLASTX:Cress
Start	2428	End	2942
GI	none	Score	63
Exons	2428..2526, 2471..2548, 2636..2728, 2638..2727, 2843..2941, 2844..2942		

Seq. No.	12916	Seq. ID	OJ990830_08.9C13.C8
Gene No.	27286	Strand	+
Start	1847	End	4423
Name	OJ990830_08.9C13.C8.o1.gp	Method	AAT/GAP
Start	2666	End	3976

GI	16381_1.R1084	Score	1067
Exons	2666..2727, 2843..2942, 3186..3443, 3793..3976		
GI Descrip.	'4580397/gb|AAD24375.1|AC007171_11 6.0e-28 (AC007171) putative RNA helicase [Arabidopsis thaliana]'		

Seq. No.	12916	Seq. ID	OJ990830_08.9C13.C8
Gene No.	27286	Strand	+
Start	1847	End	4423
Name	OJ990830_08.9C13.C8.o2.tm	Method	TBLASTX:Maize
Start	2892	End	4423
GI	none	Score	68
Exons	2892..2945, 2909..2947, 3185..3340, 3185..3346, 3186..3341, 3342..3446, 3344..3448, 3773..3961, 3774..3962, 3790..3969, 3792..3968, 4159..4422, 4192..4395, 4193..4423		

Seq. No.	12917	Seq. ID	OJ990830_08.9C13.C14
Gene No.	27287	Strand	-
Start	1	End	4445
Name	OJ990830_08.9C13.C14.o1.gp	Method	AAT/GAP
Start	1	End	1461
GI	53984_1.R1084	Score	2039
Exons	1..638, 931..1089, 1191..1461		
GI Descrip.	'6006895/gb|AAF00670.1|AC008153_22 8.0e-56 (AC008153) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	12917	Seq. ID	OJ990830_08.9C13.C14
Gene No.	27287	Strand	-
Start	1	End	4445
Name	OJ990830_08.9C13.C14.o1.np	Method	AAT/NAP
Start	250	End	4445
GI	6862912	Score	1100
Exons	250..638, 931..1089, 1191..1586, 2895..3130, 4210..4445		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	12917	Seq. ID	OJ990830_08.9C13.C14
Gene No.	27287	Strand	-
Start	1	End	4445
Name	OJ990830_08.9C13.C14.o1.gs	Method	GENSCAN
Start	260	End	3271
GI	none	Score	.65
Exons	260..656, 931..1089, 1191..1586, 2895..3271		

Seq. No.	12917	Seq. ID	OJ990830_08.9C13.C14
Gene No.	27287	Strand	-
Start	1	End	4445
Name	OJ990830_08.9C13.C14.o3.tm	Method	TBLASTX:Maize
Start	308	End	1588
GI	none	Score	83
Exons	308..391, 321..389, 1352..1465, 1451..1588, 1461..1532		

Seq. No.	12917	Seq. ID	OJ990830_08.9C13.C14
Gene No.	27287	Strand	-
Start	1	End	4445
Name	OJ990830_08.9C13.C14.o1.ts	Method	TBLASTX:Soybean
Start	317	End	622
GI	none	Score	110
Exons	317..433, 324..398, 431..508, 584..622		

Seq. No.	12917	Seq. ID	OJ990830_08.9C13.C14
Gene No.	27287	Strand	-
Start	1	End	4445
Name	OJ990830_08.9C13.C14.o1.tc	Method	TBLASTX:Cress
Start	338	End	1427
GI	none	Score	76
Exons	338..445, 360..416, 431..520, 584..679, 591..641, 930..1091, 931..1095, 1193..1261, 1194..1262, 1238..1426, 1326..1427, 1359..1427		

Seq. No.	12917	Seq. ID	OJ990830_08.9C13.C14
Gene No.	27287	Strand	-
Start	1	End	4445
Name	OJ990830_08.9C13.C14.o1.tm	Method	TBLASTX:Maize
Start	392	End	1350
GI	none	Score	211
Exons	392..679, 393..641, 930..1088, 933..1085, 1177..1347, 1178..1348, 1190..1348, 1195..1350		

Seq. No.	12917	Seq. ID	OJ990830_08.9C13.C14
Gene No.	27287	Strand	-
Start	1	End	4445
Name	OJ990830_08.9C13.C14.o1.tw	Method	TBLASTX:Wheat
Start	1193	End	2938
GI	none	Score	55
Exons	1193..1258, 1349..1432, 1436..1588, 1440..1532, 2903..2938		

Seq. No.	12917	Seq. ID	OJ990830_08.9C13.C14
Gene No.	27287	Strand	-
Start	1	End	4445
Name	OJ990830_08.9C13.C14.o2.ts	Method	TBLASTX:Soybean
Start	1370	End	3064
GI	none	Score	80
Exons	1370..1588, 1395..1532, 2892..2996, 2903..3064, 3008..3055		

Seq. No.	12917	Seq. ID	OJ990830_08.9C13.C14
Gene No.	27287	Strand	-
Start	1	End	4445
Name	OJ990830_08.9C13.C14.o2.tm	Method	TBLASTX:Maize
Start	2892	End	3064
GI	none	Score	120
Exons	2892..3011, 2906..3022, 3020..3064		

Seq. No.	12918	Seq. ID	OJ990830_08.9C13.C16
Gene No.	27288	Strand	+
Start	225	End	327
Name	OJ990830_08.9C13.C16.o1.gs	Method	GENSCAN
Start	225	End	327
GI	none	Score	.59
Exons	225..327		

Seq. No.	12918	Seq. ID	OJ990830_08.9C13.C16
Gene No.	27289	Strand	-
Start	719	End	738
Name	OJ990830_08.9C13.C16.o2.gs	Method	GENSCAN
Start	719	End	738

GI	none	Score	.56
Exons	719..738		

Seq. No.	12919	Seq. ID	OJ990830_08.9C13.C20
Gene No.	27290	Strand	+
Start	148	End	1403
Name	OJ990830_08.9C13.C20.o1.gs	Method	GENSCAN
Start	148	End	1403
GI	none	Score	.67
Exons	148..385, 1155..1199, 1233..1403		

Seq. No.	12919	Seq. ID	OJ990830_08.9C13.C20
Gene No.	27291	Strand	+
Start	1890	End	3137
Name	OJ990830_08.9C13.C20.o2.gs	Method	GENSCAN
Start	1890	End	2388
GI	none	Score	.93
Exons	1890..2077, 2157..2388		

Seq. No.	12919	Seq. ID	OJ990830_08.9C13.C20
Gene No.	27291	Strand	+
Start	1890	End	3137
Name	OJ990830_08.9C13.C20.o1.np	Method	AAT/NAP
Start	1948	End	3137
GI	6630699	Score	72
Exons	1948..2212, 3059..3137		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	12919	Seq. ID	OJ990830_08.9C13.C20
Gene No.	27292	Strand	+
Start	3625	End	5475
Name	OJ990830_08.9C13.C20.o3.np	Method	AAT/NAP
Start	3625	End	5475
GI	6063554	Score	121
Exons	3625..4090, 5308..5475		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	12919	Seq. ID	OJ990830_08.9C13.C20
Gene No.	27292	Strand	+
Start	3625	End	5475
Name	OJ990830_08.9C13.C20.o2.np	Method	AAT/NAP
Start	3876	End	4747
GI	5852178	Score	436
Exons	3876..4154, 4186..4289, 4653..4747		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	12919	Seq. ID	OJ990830_08.9C13.C20
Gene No.	27293	Strand	+
Start	6228	End	8062
Name	OJ990830_08.9C13.C20.o4.np	Method	AAT/NAP
Start	6228	End	8062
GI	6539570	Score	183
Exons	6228..6422, 6636..6702, 8020..8062		

GI Descrip. (AP000836) hypothetical protein [Oryza sativa]

Seq. No.	12919	Seq. ID	OJ990830_08.9C13.C20
Gene No.	27294	Strand	-
Start	3948	End	5217
Name	OJ990830_08.9C13.C20.o3.gs	Method	GENSCAN
Start	3948	End	5217
GI	none	Score	.89
Exons	3948..4105, 4237..4424, 5204..5217		

Seq. No.	12919	Seq. ID	OJ990830_08.9C13.C20
Gene No.	27295	Strand	-
Start	6228	End	6532
Name	OJ990830_08.9C13.C20.o4.gs	Method	GENSCAN
Start	6228	End	6532
GI	none	Score	.42
Exons	6228..6532		

Seq. No.	12920	Seq. ID	OJ990830_08.9C13.C21
Gene No.	27296	Strand	+
Start	247	End	504
Name	OJ990830_08.9C13.C21.o1.gs	Method	GENSCAN
Start	247	End	504
GI	none	Score	.86
Exons	247..325, 464..504		

Seq. No.	12921	Seq. ID	OJ990830_08.9C13.C22
Gene No.	27297	Strand	+
Start	572	End	1018
Name	OJ990830_08.9C13.C22.o1.np	Method	AAT/NAP
Start	572	End	1018
GI	6587835	Score	147
Exons	572..704, 799..1018		

GI Descrip. (AC006551) Similar to peptide transporter [Arabidopsis thaliana]

Seq. No.	12921	Seq. ID	OJ990830_08.9C13.C22
Gene No.	27297	Strand	+
Start	572	End	1018
Name	OJ990830_08.9C13.C22.o1.gs	Method	GENSCAN
Start	593	End	979
GI	none	Score	.92
Exons	593..704, 799..979		

Seq. No.	12922	Seq. ID	OJ990830_08.9C13.C25
Gene No.	27298	Strand	-
Start	405	End	1087
Name	OJ990830_08.9C13.C25.o1.gs	Method	GENSCAN
Start	405	End	1087
GI	none	Score	.51
Exons	405..610, 967..1087		

Seq. No.	12923	Seq. ID	OJ990830_08.9C13.C26
Gene No.	27299	Strand	+
Start	1753	End	1865
Name	OJ990830_08.9C13.C26.o2.gp	Method	AAT/GAP
Start	1753	End	1865
GI	LIB3477-003-P1-K1-E9	Score	109

Exons	1753..1865		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	12923	Seq. ID	OJ990830_08.9C13.C26
Gene No.	27300	Strand	+
Start	2145	End	2358
Name	OJ990830_08.9C13.C26.o3.gp	Method	AAT/GAP
Start	2145	End	2358
GI	none	Score	376
Exons	2145..2358		
Seq. No.	12923	Seq. ID	OJ990830_08.9C13.C26
Gene No.	27301	Strand	+
Start	7037	End	10380
Name	OJ990830_08.9C13.C26.o1.np	Method	AAT/NAP
Start	7037	End	10380
GI	4581155	Score	1518
Exons	7037..7091, 8114..8848, 8894..8996, 9150..9593, 9689..10380		
GI Descrip.	(AC006919) putative receptor-like protein kinase [Arabidopsis thaliana]		
Seq. No.	12923	Seq. ID	OJ990830_08.9C13.C26
Gene No.	27302	Strand	+
Start	10380	End	10690
Name	OJ990830_08.9C13.C26.o5.gp	Method	AAT/GAP
Start	10380	End	10690
GI	none	Score	552
Exons	10380..10690		
Seq. No.	12923	Seq. ID	OJ990830_08.9C13.C26
Gene No.	27303	Strand	+
Start	11772	End	14400
Name	OJ990830_08.9C13.C26.o2.gs	Method	GENSCAN
Start	11772	End	14281
GI	none	Score	.8
Exons	11772..11929, 12216..12309, 12494..12697, 12839..12994, 13234..13311, 13432..13563, 13792..13872, 14037..14108, 14192..14281		
Seq. No.	12923	Seq. ID	OJ990830_08.9C13.C26
Gene No.	27303	Strand	+
Start	11772	End	14400
Name	OJ990830_08.9C13.C26.o6.gp	Method	AAT/GAP
Start	12054	End	14285
GI	7253_1.R1084	Score	1746
Exons	12054..12309, 12410..12506, 12600..12697, 12839..12994, 13234..13311, 13432..13563, 13792..13872, 14037..14108, 14192..14285		
GI Descrip.	'4581156/gb|AAD24640.1|AC006919_18 0.0e+00 (AC006919) putative pyruvate kinase [Arabidopsis thaliana]'		
Seq. No.	12923	Seq. ID	OJ990830_08.9C13.C26
Gene No.	27303	Strand	+
Start	11772	End	14400
Name	OJ990830_08.9C13.C26.o2.np	Method	AAT/NAP

Start	12593	End	14400
GI	4581156	Score	785
Exons	12593..12697, 12839..12994, 13234..13299, 13432..13563, 13792..13872, 14037..14108, 14192..14400		
GI Descrip.	(AC006919) putative pyruvate kinase [Arabidopsis thaliana]		

Seq. No.	12923	Seq. ID	OJ990830_08.9C13.C26
Gene No.	27304	Strand	-
Start	1290	End	1752
Name	OJ990830_08.9C13.C26.o1.gp	Method	AAT/GAP
Start	1290	End	1752
GI	LIB3432-059-P1-K1-D8	Score	732
Exons	1290..1752		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	12923	Seq. ID	OJ990830_08.9C13.C26
Gene No.	27305	Strand	-
Start	8807	End	10386
Name	OJ990830_08.9C13.C26.o3.tc	Method	TBLASTX:Cress
Start	8117	End	8371
GI	none	Score	256
Exons	8117..8371, 8119..8232		

Seq. No.	12923	Seq. ID	OJ990830_08.9C13.C26
Gene No.	27305	Strand	-
Start	8807	End	10386
Name	OJ990830_08.9C13.C26.o4.ts	Method	TBLASTX:Soybean
Start	8117	End	8374
GI	none	Score	116
Exons	8117..8251, 8119..8241, 8246..8374		

Seq. No.	12923	Seq. ID	OJ990830_08.9C13.C26
Gene No.	27305	Strand	-
Start	8807	End	10386
Name	OJ990830_08.9C13.C26.o2.ts	Method	TBLASTX:Soybean
Start	8578	End	9755
GI	none	Score	125
Exons	8578..8724, 8582..8725, 9299..9595, 9346..9444, 9520..9594, 9682..9729, 9687..9755		

Seq. No.	12923	Seq. ID	OJ990830_08.9C13.C26
Gene No.	27305	Strand	-
Start	8807	End	10386
Name	OJ990830_08.9C13.C26.o4.gp	Method	AAT/GAP
Start	8807	End	9037
GI	3762990	Score	437
Exons	8807..9037		

Seq. No.	12923	Seq. ID	OJ990830_08.9C13.C26
Gene No.	27305	Strand	-
Start	8807	End	10386
Name	OJ990830_08.9C13.C26.o1.tm	Method	TBLASTX:Maize
Start	9296	End	10326
GI	none	Score	129
Exons	9296..9451, 9488..9595, 9682..9783, 9804..10034, 9805..10035, 10114..10302, 10114..10326		

Seq. No.	12923	Seq. ID	OJ990830_08.9C13.C26
Gene No.	27305	Strand	-
Start	8807	End	10386
Name	OJ990830_08.9C13.C26.o1.tc	Method	TBLASTX:Cress
Start	9311	End	10302
GI	none	Score	109
Exons	9311..9430, 9446..9595, 9682..9777, 9787..10023, 9930..10028, 10108..10221, 10192..10302		

Seq. No.	12923	Seq. ID	OJ990830_08.9C13.C26
Gene No.	27305	Strand	-
Start	8807	End	10386
Name	OJ990830_08.9C13.C26.o1.ts	Method	TBLASTX:Soybean
Start	9759	End	10386
GI	none	Score	352
Exons	9759..10022, 9772..10026, 10105..10332, 10105..10386		

Seq. No.	12923	Seq. ID	OJ990830_08.9C13.C26
Gene No.	27305	Strand	-
Start	8807	End	10386
Name	OJ990830_08.9C13.C26.o2.tw	Method	TBLASTX:Wheat
Start	10117	End	10338
GI	none	Score	190
Exons	10117..10338, 10123..10212		

Seq. No.	12923	Seq. ID	OJ990830_08.9C13.C26
Gene No.	27306	Strand	
Start	12196	End	14314
Name	OJ990830_08.9C13.C26.o2.tm	Method	TBLASTX:Maize
Start	12196	End	12702
GI	none	Score	39
Exons	12196..12219, 12214..12306, 12232..12321, 12234..12317, 12395..12505, 12409..12504, 12593..12700, 12598..12702		

Seq. No.	12923	Seq. ID	OJ990830_08.9C13.C26
Gene No.	27306	Strand	
Start	12196	End	14314
Name	OJ990830_08.9C13.C26.o3.ts	Method	TBLASTX:Soybean
Start	12237	End	14284
GI	none	Score	65
Exons	12237..12308, 12238..12309, 12240..12308, 12395..12505, 12409..12504, 12592..12702, 12593..12700, 12832..12987, 12839..13000, 13231..13314, 13233..13313, 13396..13566, 13429..13566, 13446..13568, 13455..13571, 13789..13839, 13843..13884, 14036..14107, 14037..14108, 14186..14284, 14191..14283		

Seq. No.	12923	Seq. ID	OJ990830_08.9C13.C26
Gene No.	27306	Strand	
Start	12196	End	14314
Name	OJ990830_08.9C13.C26.o2.tc	Method	TBLASTX:Cress
Start	12237	End	13000
GI	none	Score	63
Exons	12237..12305, 12238..12306, 12238..12303, 12240..12305, 12395..12505, 12409..12504, 12413..12505, 12593..12700, 12598..12702, 12832..12993, 12839..13000		

Seq. No.	12923	Seq. ID	OJ990830_08.9C13.C26
Gene No.	27306	Strand	
Start	12196	End	14314
Name	OJ990830_08.9C13.C26.o3.tm	Method	TBLASTX:Maize
Start	12825	End	14314
GI	none	Score	125
Exons	12825..12995, 12829..12984, 12832..13005, 12839..13000, 13215..13313, 13231..13314, 13396..13566, 13430..13561, 13431..13568, 13791..13868, 13792..13884, 13793..13876, 14034..14108, 14036..14113, 14036..14107, 14172..14282, 14186..14314, 14190..14282, 14191..14283		

Seq. No.	12923	Seq. ID	OJ990830_08.9C13.C26
Gene No.	27306	Strand	
Start	12196	End	14314
Name	OJ990830_08.9C13.C26.o4.tc	Method	TBLASTX:Cress
Start	13215	End	14284
GI	none	Score	135
Exons	13215..13313, 13231..13317, 13396..13566, 13429..13563, 13443..13568, 13789..13872, 13791..13868, 14006..14116, 14049..14117, 14189..14284, 14191..14283		

Seq. No.	12923	Seq. ID	OJ990830_08.9C13.C26
Gene No.	27306	Strand	
Start	12196	End	14314
Name	OJ990830_08.9C13.C26.o1.tw	Method	TBLASTX:Wheat
Start	13477	End	14314
GI	none	Score	70
Exons	13477..13563, 13479..13556, 13479..13571, 13480..13566, 13789..13872, 13791..13892, 13792..13884, 14033..14107, 14034..14108, 14034..14108, 14166..14282, 14186..14314, 14191..14283		

Seq. No.	12924	Seq. ID	OJ990830_08.9C13.C27
Gene No.	27307	Strand	+
Start	1	End	1324
Name	OJ990830_08.9C13.C27.o1.np	Method	AAT/NAP
Start	1	End	1082
GI	4581156	Score	458
Exons	1..33, 100..167, 251..350, 483..542, 934..1082		
GI Descrip.	(AC006919) putative pyruvate kinase [Arabidopsis thaliana]		

Seq. No.	12924	Seq. ID	OJ990830_08.9C13.C27
Gene No.	27307	Strand	+
Start	1	End	1324
Name	OJ990830_08.9C13.C27.o1.tm	Method	TBLASTX:Maize
Start	90	End	1324
GI	none	Score	82
Exons	90..167, 99..167, 100..168, 100..168, 248..349, 249..356, 464..541, 473..544, 480..596, 954..1088, 954..1088, 955..1089, 956..1102, 1147..1185, 1153..1185, 1154..1186, 1188..1229, 1192..1230, 1193..1246, 1268..1321, 1268..1324		

Seq. No.	12924	Seq. ID	OJ990830_08.9C13.C27
Gene No.	27307	Strand	+
Start	1	End	1324

Name	OJ990830_08.9C13.C27.o1.tw	Method	TBLASTX:Wheat
Start	90	End	1085
GI	none	Score	83
Exons	90..167, 99..167, 100..168, 248..349, 249..356, 249..359, 464..541, 464..532, 477..539, 480..596, 481..540, 954..1085, 956..1084		

Seq. No.	12924	Seq. ID	OJ990830_08.9C13.C27
Gene No.	27307	Strand	+
Start	1	End	1324
Name	OJ990830_08.9C13.C27.o1.tc	Method	TBLASTX:Cress
Start	99	End	1108
GI	none	Score	107
Exons	99..167, 100..168, 123..173, 240..347, 248..331, 248..349, 249..356, 464..532, 480..596, 954..1085, 956..1108		

Seq. No.	12924	Seq. ID	OJ990830_08.9C13.C27
Gene No.	27307	Strand	+
Start	1	End	1324
Name	OJ990830_08.9C13.C27.o1.ts	Method	TBLASTX:Soybean
Start	99	End	530
GI	none	Score	107
Exons	99..167, 100..168, 248..349, 249..356, 464..529, 480..530		

Seq. No.	12924	Seq. ID	OJ990830_08.9C13.C27
Gene No.	27307	Strand	+
Start	1	End	1324
Name	OJ990830_08.9C13.C27.o1.gs	Method	GENSCAN
Start	100	End	1085
GI	none	Score	.66
Exons	100..167, 251..350, 483..542, 972..1085		

Seq. No.	12924	Seq. ID	OJ990830_08.9C13.C27
Gene No.	27307	Strand	+
Start	1	End	1324
Name	OJ990830_08.9C13.C27.o1.gp	Method	AAT/GAP
Start	327	End	1278
GI	7253_4.R1084	Score	766
Exons	327..350, 483..542, 934..1278		
GI Descrip.	'4581156/gb|AAD24640.1|AC006919_18 1.0e-33 (AC006919) putative pyruvate kinase [Arabidopsis thaliana]'		

Seq. No.	12924	Seq. ID	OJ990830_08.9C13.C27
Gene No.	27307	Strand	+
Start	1	End	1324
Name	OJ990830_08.9C13.C27.o2.ts	Method	TBLASTX:Soybean
Start	954	End	1102
GI	none	Score	195
Exons	954..1088, 956..1102		

Seq. No.	12925	Seq. ID	OJ990830_08.9C13.C28
Gene No.	27308	Strand	+
Start	4033	End	4378
Name	OJ990830_08.9C13.C28.o1.gp	Method	AAT/GAP
Start	4033	End	4378
GI	none	Score	660
Exons	4033..4378		

Seq. No.	12925	Seq. ID	OJ990830_08.9C13.C28
Gene No.	27309	Strand	-
Start	5272	End	6509
Name	OJ990830_08.9C13.C28.o2.tm	Method	TBLASTX:Maize
Start	186	End	563
GI	none	Score	77
Exons	186..242, 186..251, 190..243, 191..256, 354..563, 359..562		

Seq. No.	12925	Seq. ID	OJ990830_08.9C13.C28
Gene No.	27309	Strand	-
Start	5272	End	6509
Name	OJ990830_08.9C13.C28.o1.tw	Method	TBLASTX:Wheat
Start	1531	End	2291
GI	none	Score	65
Exons	1531..1599, 1533..1601, 1689..1805, 1694..1807, 1694..1885, 1865..1906, 1865..1906, 2235..2291		

Seq. No.	12925	Seq. ID	OJ990830_08.9C13.C28
Gene No.	27309	Strand	-
Start	5272	End	6509
Name	OJ990830_08.9C13.C28.o1.tm	Method	TBLASTX:Maize
Start	5196	End	6509
GI	none	Score	119
Exons	5196..5438, 5196..5516, 5197..5523, 5198..5524, 5868..6023, 5869..6024, 5870..6025, 5870..6025, 6070..6228, 6098..6151, 6102..6155, 6102..6257, 6172..6228, 6330..6503, 6330..6509, 6371..6505		

Seq. No.	12925	Seq. ID	OJ990830_08.9C13.C28
Gene No.	27309	Strand	-
Start	5272	End	6509
Name	OJ990830_08.9C13.C28.o2.ts	Method	TBLASTX:Soybean
Start	5206	End	5965
GI	none	Score	111
Exons	5206..5523, 5210..5344, 5405..5524, 5605..5649, 5869..5964, 5870..5965		

Seq. No.	12925	Seq. ID	OJ990830_08.9C13.C28
Gene No.	27309	Strand	-
Start	5272	End	6509
Name	OJ990830_08.9C13.C28.o1.np	Method	AAT/NAP
Start	5272	End	6509
GI	3023751	Score	257
Exons	5272..5523, 5872..6024, 6103..6225, 6339..6509		
GI Descrip.	70 KD PEPTIDYLPROLYL ISOMERASE (PEPTIDYLPROLYL CIS-TRANS ISOMERASE) (CYCLOPHILIN) (PPIASE) gi|1076772|pir||S55383 peptidylprolyl isomerase (EC 5.2.1.8) - wheat gi|854626|emb|CAA60505| (X86903) peptidylprolyl isomerase [Triticum aestivum]		

Seq. No.	12925	Seq. ID	OJ990830_08.9C13.C28
Gene No.	27309	Strand	-
Start	5272	End	6509
Name	OJ990830_08.9C13.C28.o1.ts	Method	TBLASTX:Soybean
Start	5980	End	6509
GI	none	Score	67

Exons	5980..6021, 5980..6024, 6112..6228, 6113..6142, 6172..6243, 6322..6504, 6324..6506, 6327..6509		
Seq. No.	12926	Seq. ID	OJ990830_08.9C13.C29
Gene No.	27310	Strand	+
Start	211	End	389
Name	OJ990830_08.9C13.C29.o1.gs	Method	GENSCAN
Start	211	End	389
GI	none	Score	.78
Exons	211..389		
Seq. No.	12927	Seq. ID	OJ990830_08.9C13.C30
Gene No.	27311	Strand	-
Start	84	End	196
Name	OJ990830_08.9C13.C30.o1.gs	Method	GENSCAN
Start	84	End	196
GI	none	Score	.73
Exons	84..196		
Seq. No.	12928	Seq. ID	OJ990830_08.9C13.C32
Gene No.	27312	Strand	+
Start	893	End	2074
Name	OJ990830_08.9C13.C32.o1.gs	Method	GENSCAN
Start	893	End	2074
GI	none	Score	.49
Exons	893..985, 1061..1405, 1639..1747, 1934..2074		
Seq. No.	12928	Seq. ID	OJ990830_08.9C13.C32
Gene No.	27313	Strand	-
Start	2271	End	2861
Name	OJ990830_08.9C13.C32.o2.gs	Method	GENSCAN
Start	2271	End	2861
GI	none	Score	.89
Exons	2271..2861		
Seq. No.	12929	Seq. ID	OJ990830_08.9C13.C33
Gene No.	27314	Strand	+
Start	435	End	838
Name	OJ990830_08.9C13.C33.o1.gp	Method	AAT/GAP
Start	435	End	838
GI	none	Score	763
Exons	435..838		
Seq. No.	12930	Seq. ID	OJ990830_09.9C23.C2
Gene No.	27315	Strand	-
Start	1	End	1207
Name	OJ990830_09.9C23.C2.o1.gp	Method	AAT/GAP
Start	1	End	968
GI	23415_1.R1084	Score	995
Exons	1..114, 228..350, 434..511, 596..745, 872..968		
GI Descrip.	'2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]'		
Seq. No.	12930	Seq. ID	OJ990830_09.9C23.C2

Gene No.	27315	Strand	-
Start	1	End	1207
Name	OJ990830_09.9C23.C2.o1.np	Method	AAT/NAP
Start	1	End	1207
GI	730125	Score	661
Exons	1..114, 228..350, 434..511, 596..745, 872..975, 1175..1207		
GI Descrip.	NADPH-CYTOCHROME P450 REDUCTASE gi|322739|pir||S31502 NADPH--ferrihemoprotein reductase (EC 1.6.2.4) - Madagascar periwinkle gi|18139|emb|CAA49446| (X69791) NADPH--ferrihemoprotein reductase [Catharanthus roseus]		

Seq. No.	12930	Seq. ID	OJ990830_09.9C23.C2
Gene No.	27315	Strand	-
Start	1	End	1207
Name	OJ990830_09.9C23.C2.o1.ts	Method	TBLASTX:Soybean
Start	11	End	971
GI	none	Score	115
Exons	11..115, 13..117, 14..115, 45..125, 215..349, 216..350, 217..351, 404..487, 426..512, 433..513, 434..514, 585..644, 594..749, 596..745, 872..970, 873..971, 873..971		

Seq. No.	12930	Seq. ID	OJ990830_09.9C23.C2
Gene No.	27315	Strand	-
Start	1	End	1207
Name	OJ990830_09.9C23.C2.o1.tc	Method	TBLASTX:Cress
Start	13	End	965
GI	none	Score	59
Exons	13..117, 14..70, 25..120, 216..350, 228..350, 229..384, 432..512, 434..514, 594..749, 596..757, 596..745, 872..964, 873..965		

Seq. No.	12930	Seq. ID	OJ990830_09.9C23.C2
Gene No.	27315	Strand	-
Start	1	End	1207
Name	OJ990830_09.9C23.C2.o1.tm	Method	TBLASTX:Maize
Start	13	End	668
GI	none	Score	146
Exons	13..117, 15..116, 16..120, 216..350, 217..351, 426..512, 433..522, 434..514, 585..662, 594..668, 596..667		

Seq. No.	12930	Seq. ID	OJ990830_09.9C23.C2
Gene No.	27315	Strand	-
Start	1	End	1207
Name	OJ990830_09.9C23.C2.o1.tw	Method	TBLASTX:Wheat
Start	220	End	971
GI	none	Score	132
Exons	220..345, 222..350, 228..350, 403..513, 426..512, 433..513, 434..514, 585..719, 594..749, 596..745, 661..747, 871..966, 872..967, 872..967, 873..971, 873..968		

Seq. No.	12930	Seq. ID	OJ990830_09.9C23.C2
Gene No.	27315	Strand	-
Start	1	End	1207
Name	OJ990830_09.9C23.C2.o1.gs	Method	GENSCAN
Start	228	End	995
GI	none	Score	.65
Exons	228..350, 434..511, 596..729, 872..995		

Seq. No.	12930	Seq. ID	OJ990830_09.9C23.C2
Gene No.	27315	Strand	-
Start	1	End	1207
Name	OJ990830_09.9C23.C2.o2.tm	Method	TBLASTX:Maize
Start	668	End	971
GI	none	Score	115
Exons	668..745, 669..749, 678..746, 872..970, 873..968, 873..971, 874..969		

Seq. No.	12931	Seq. ID	OJ990830_09.9C23.C3
Gene No.	27316	Strand	+
Start	3639	End	6641
Name	OJ990830_09.9C23.C3.o2.gs	Method	GENSCAN
Start	3639	End	6641
GI	none	Score	.5
Exons	3639..3879, 5994..6178, 6582..6641		

Seq. No.	12931	Seq. ID	OJ990830_09.9C23.C3
Gene No.	27317	Strand	-
Start	1	End	2863
Name	OJ990830_09.9C23.C3.o1.np	Method	AAT/NAP
Start	1	End	2863
GI	2580499	Score	499
Exons	1..23, 679..753, 1214..1250, 1346..1429, 1519..1576, 2144..2220, 2328..2387, 2522..2863		
GI Descrip.	(U67186) NADPH:ferrihemoprotein oxidoreductase [Eschscholzia californica]		

Seq. No.	12931	Seq. ID	OJ990830_09.9C23.C3
Gene No.	27317	Strand	-
Start	1	End	2863
Name	OJ990830_09.9C23.C3.o1.gs	Method	GENSCAN
Start	684	End	2824
GI	none	Score	.9
Exons	684..753, 1214..1250, 1519..1576, 2144..2220, 2328..2387, 2522..2824		

Seq. No.	12931	Seq. ID	OJ990830_09.9C23.C3
Gene No.	27318	Strand	-
Start	3692	End	12366
Name	OJ990830_09.9C23.C3.o1.ts	Method	TBLASTX:Soybean
Start	669	End	1603
GI	none	Score	84
Exons	669..755, 671..754, 676..756, 1308..1388, 1316..1429, 1322..1438, 1519..1590, 1520..1603		

Seq. No.	12931	Seq. ID	OJ990830_09.9C23.C3
Gene No.	27318	Strand	-
Start	3692	End	12366
Name	OJ990830_09.9C23.C3.o1.tm	Method	TBLASTX:Maize
Start	682	End	2696
GI	none	Score	96
Exons	682..753, 682..753, 683..754, 1132..1257, 1179..1250, 1319..1432, 1344..1439, 1518..1577, 1519..1590, 1520..1579, 2141..2221, 2145..2222, 2326..2385, 2328..2399, 2331..2390, 2522..2617, 2523..2696, 2660..2680		

Seq. No.	12931	Seq. ID	OJ990830_09.9C23.C3
Gene No.	27318	Strand	-
Start	3692	End	12366
Name	OJ990830_09.9C23.C3.o1.tc	Method	TBLASTX:Cress
Start	683	End	2618
GI	none	Score	73
Exons	683..754, 691..756, 1293..1439, 1316..1432, 1512..1586, 1517..1576, 1519..1590, 1520..1591, 2331..2390, 2522..2602, 2526..2618		

Seq. No.	12931	Seq. ID	OJ990830_09.9C23.C3
Gene No.	27318	Strand	-
Start	3692	End	12366
Name	OJ990830_09.9C23.C3.o2.np	Method	AAT/NAP
Start	3692	End	8363
GI	6069646	Score	395
Exons	3692..4021, 8326..8363		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	12931	Seq. ID	OJ990830_09.9C23.C3
Gene No.	27318	Strand	-
Start	3692	End	12366
Name	OJ990830_09.9C23.C3.o3.gs	Method	GENSCAN
Start	6965	End	12366
GI	none	Score	.41
Exons	6965..7566, 8520..8675, 9165..9264, 12226..12366		

Seq. No.	12932	Seq. ID	OJ990830_09.9C23.C4
Gene No.	27319	Strand	+
Start	634	End	999
Name	OJ990830_09.9C23.C4.o1.gp	Method	AAT/GAP
Start	634	End	999
GI	3255_1.R1084	Score	637
Exons	634..999		
GI Descrip.	'4206065/gb|AF064853|AF064853 2.0e-09 Homo sapiens map 7qter; 41.64cR from WI-8540 repeat region, complete sequence'		

Seq. No.	12932	Seq. ID	OJ990830_09.9C23.C4
Gene No.	27320	Strand	-
Start	1	End	1709
Name	OJ990830_09.9C23.C4.o1.np	Method	AAT/NAP
Start	1	End	1709
GI	3953467	Score	95
Exons	1..21, 1233..1387, 1676..1709		
GI Descrip.	(AC002328) F20N2.12 [Arabidopsis thaliana]		

Seq. No.	12932	Seq. ID	OJ990830_09.9C23.C4
Gene No.	27320	Strand	-
Start	1	End	1709
Name	OJ990830_09.9C23.C4.o1.gs	Method	GENSCAN
Start	922	End	1315
GI	none	Score	.69

Exons	922..994, 1277..1315		
Seq. No.	12933	Seq. ID	OJ990830_09.9C23.C5
Gene No.	27321	Strand	+
Start	51	End	597
Name	OJ990830_09.9C23.C5.o1.gs	Method	GENSCAN
Start	51	End	502
GI	none	Score	.48
Exons	51..89, 284..502		
Seq. No.	12933	Seq. ID	OJ990830_09.9C23.C5
Gene No.	27321	Strand	+
Start	51	End	597
Name	OJ990830_09.9C23.C5.o1.np	Method	AAT/NAP
Start	280	End	597
GI	3193332	Score	103
Exons	280..597		
GI Descrip.	(AF069299) similar to Arabidopsis AT-hook protein 1 (GB:AJ222585) [Arabidopsis thaliana]		
Seq. No.	12933	Seq. ID	OJ990830_09.9C23.C5
Gene No.	27321	Strand	+
Start	51	End	597
Name	OJ990830_09.9C23.C5.o1.tm	Method	TBLASTX:Maize
Start	281	End	526
GI	none	Score	84
Exons	281..355, 281..343, 283..405, 322..444, 341..526, 341..445		
Seq. No.	12934	Seq. ID	OJ990830_09.9C23.C6
Gene No.	27322	Strand	+
Start	925	End	1079
Name	OJ990830_09.9C23.C6.o1.gs	Method	GENSCAN
Start	925	End	1079
GI	none	Score	.43
Exons	925..1079		
Seq. No.	12935	Seq. ID	OJ990830_09.9C23.C7
Gene No.	27323	Strand	+
Start	711	End	6498
Name	OJ990830_09.9C23.C7.o1.gp	Method	AAT/GAP
Start	711	End	3351
GI	16840_1.R1084	Score	1984
Exons	711..861, 947..1118, 2031..2123, 2230..2369, 2478..2570, 2667..2734, 2825..2895, 3006..3351		
GI Descrip.	'5672692/dbj|BAA82696.1| 1.0e-116 (AB028448) nuclease I [Hordeum vulgare]'		
Seq. No.	12935	Seq. ID	OJ990830_09.9C23.C7
Gene No.	27323	Strand	+
Start	711	End	6498
Name	OJ990830_09.9C23.C7.o1.gs	Method	GENSCAN
Start	742	End	6498
GI	none	Score	.7
Exons	742..861, 947..1118, 2031..2123, 2230..2369, 2478..2570, 2631..2734, 3698..3868, 3924..4044, 4101..4432, 6462..6498		
Seq. No.	12935	Seq. ID	OJ990830_09.9C23.C7

Gene No.	27323	Strand	+
Start	711	End	6498
Name	OJ990830_09.9C23.C7.o1.np	Method	AAT/NAP
Start	751	End	3121
GI	3242403	Score	946
Exons	751..861, 947..1118, 2031..2123, 2230..2369, 2478..2570, 2667..2734, 2825..2895, 3006..3121		
GI Descrip.	(D83178) endonuclease [Hordeum vulgare]		

Seq. No.	12935	Seq. ID	OJ990830_09.9C23.C7
Gene No.	27324	Strand	-
Start	5472	End	5730
Name	OJ990830_09.9C23.C7.o2.gp	Method	AAT/GAP
Start	5472	End	5730
GI	none	Score	389
Exons	5472..5730		

Seq. No.	12935	Seq. ID	OJ990830_09.9C23.C7
Gene No.	27325	Strand	-
Start	5774	End	7856
Name	OJ990830_09.9C23.C7.o1.tm	Method	TBLASTX:Maize
Start	811	End	3115
GI	none	Score	91
Exons	811..861, 819..860, 949..993, 956..1048, 995..1045, 1048..1119, 1049..1120, 2023..2049, 2027..2059, 2053..2124, 2054..2122, 2056..2124, 2228..2362, 2232..2372, 2241..2372, 2475..2567, 2477..2572, 2478..2570, 2661..2735, 2666..2740, 2821..2895, 2823..2906, 3001..3084, 3005..3115, 3005..3103		

Seq. No.	12935	Seq. ID	OJ990830_09.9C23.C7
Gene No.	27325	Strand	-
Start	5774	End	7856
Name	OJ990830_09.9C23.C7.o1.ts	Method	TBLASTX:Soybean
Start	814	End	2372
GI	none	Score	73
Exons	814..867, 956..1093, 2051..2128, 2238..2372, 2255..2362		

Seq. No.	12935	Seq. ID	OJ990830_09.9C23.C7
Gene No.	27325	Strand	-
Start	5774	End	7856
Name	OJ990830_09.9C23.C7.o1.tw	Method	TBLASTX:Wheat
Start	814	End	1120
GI	none	Score	74
Exons	814..861, 814..861, 946..1116, 956..1120		

Seq. No.	12935	Seq. ID	OJ990830_09.9C23.C7
Gene No.	27325	Strand	-
Start	5774	End	7856
Name	OJ990830_09.9C23.C7.o2.tm	Method	TBLASTX:Maize
Start	5772	End	7619
GI	none	Score	82
Exons	5772..5822, 5792..5821, 5903..5932, 5904..5930, 5906..5935, 5907..5933, 6004..6087, 6020..6103, 6023..6094, 6024..6095, 6532..6636, 6564..6635, 6565..6639, 6751..6816, 6756..6821, 6757..6822, 7315..7380, 7334..7393, 7335..7388, 7491..7562, 7494..7619		

Seq. No.	12935	Seq. ID	OJ990830_09.9C23.C7
Gene No.	27325	Strand	-
Start	5774	End	7856
Name	OJ990830_09.9C23.C7.o2.np	Method	AAT/NAP
Start	5774	End	7856
GI	6728991	Score	328
Exons	5774..5820, 5905..5931, 6022..6091, 6565..6634, 6760..6819, 7334..7392, 7506..7554, 7702..7856		
GI Descrip.	(AC018363) unknown protein [Arabidopsis thaliana]		

Seq. No.	12936	Seq. ID	OJ990830_09.9C23.C8
Gene No.	27326	Strand	+
Start	51	End	1370
Name	OJ990830_09.9C23.C8.o1.gs	Method	GENSCAN
Start	51	End	1370
GI	none	Score	.6
Exons	51..150, 366..450, 928..985, 1250..1370		

Seq. No.	12937	Seq. ID	OJ990830_09.9C23.C9
Gene No.	27327	Strand	+
Start	1674	End	3135
Name	OJ990830_09.9C23.C9.o1.gs	Method	GENSCAN
Start	1674	End	3135
GI	none	Score	.74
Exons	1674..1787, 1830..1961, 2005..2133, 2500..2631, 3058..3135		

Seq. No.	12937	Seq. ID	OJ990830_09.9C23.C9
Gene No.	27328	Strand	+
Start	3737	End	6964
Name	OJ990830_09.9C23.C9.o1.np	Method	AAT/NAP
Start	3737	End	6961
GI	6907089	Score	4171
Exons	3737..4998, 5092..6961		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	12937	Seq. ID	OJ990830_09.9C23.C9
Gene No.	27328	Strand	+
Start	3737	End	6964
Name	OJ990830_09.9C23.C9.o2.gs	Method	GENSCAN
Start	3737	End	6964
GI	none	Score	.9
Exons	3737..6964		

Seq. No.	12937	Seq. ID	OJ990830_09.9C23.C9
Gene No.	27329	Strand	+
Start	16914	End	17664
Name	OJ990830_09.9C23.C9.o3.np	Method	AAT/NAP
Start	16914	End	17664
GI	5922623	Score	330
Exons	16914..16994, 17361..17664		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	12937	Seq. ID	OJ990830_09.9C23.C9
Gene No.	27330	Strand	-
Start	7608	End	17421

Name	OJ990830_09.9C23.C9.o2.np	Method	AAT/NAP
Start	7608	End	16331
GI	6498441	Score	6764
Exons	7608..7889, 7983..9380, 9552..10036, 10229..10467, 10642..10776, 10960..11333, 11397..11860, 12190..13188, 16267..16331		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	12937	Seq. ID	OJ990830_09.9C23.C9
Gene No.	27330	Strand	-
Start	7608	End	17421
Name	OJ990830_09.9C23.C9.o4.tm	Method	TBLASTX:Maize
Start	7608	End	7748
GI	none	Score	119
Exons	7608..7748, 7627..7743		

Seq. No.	12937	Seq. ID	OJ990830_09.9C23.C9
Gene No.	27330	Strand	-
Start	7608	End	17421
Name	OJ990830_09.9C23.C9.o6.tw	Method	TBLASTX:Wheat
Start	7617	End	8219
GI	none	Score	69
Exons	7617..7742, 7630..7743, 7935..8219, 7936..8214		

Seq. No.	12937	Seq. ID	OJ990830_09.9C23.C9
Gene No.	27330	Strand	-
Start	7608	End	17421
Name	OJ990830_09.9C23.C9.o4.tw	Method	TBLASTX:Wheat
Start	8220	End	8601
GI	none	Score	165
Exons	8220..8600, 8251..8499, 8545..8601		

Seq. No.	12937	Seq. ID	OJ990830_09.9C23.C9
Gene No.	27330	Strand	-
Start	7608	End	17421
Name	OJ990830_09.9C23.C9.o2.tm	Method	TBLASTX:Maize
Start	8415	End	8738
GI	none	Score	191
Exons	8415..8738, 8428..8709		

Seq. No.	12937	Seq. ID	OJ990830_09.9C23.C9
Gene No.	27330	Strand	-
Start	7608	End	17421
Name	OJ990830_09.9C23.C9.o2.ts	Method	TBLASTX:Soybean
Start	8991	End	9557
GI	5666795	Score	68
Exons	8991..9191, 9246..9383, 9459..9557		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	12937	Seq. ID	OJ990830_09.9C23.C9
Gene No.	27330	Strand	-
Start	7608	End	17421
Name	OJ990830_09.9C23.C9.o7.tw	Method	TBLASTX:Wheat
Start	9093	End	9539
GI	none	Score	149
Exons	9093..9389, 9160..9384, 9198..9389, 9442..9507, 9447..9539		

Seq. No.	12937	Seq. ID	OJ990830_09.9C23.C9
Gene No.	27330	Strand	-
Start	7608	End	17421
Name	OJ990830_09.9C23.C9.o3.tw	Method	TBLASTX:Wheat
Start	9540	End	11976
GI	none	Score	54
Exons	9540..9626, 11517..11975, 11521..11781, 11803..11976		

Seq. No.	12937	Seq. ID	OJ990830_09.9C23.C9
Gene No.	27330	Strand	-
Start	7608	End	17421
Name	OJ990830_09.9C23.C9.o1.ts	Method	TBLASTX:Soybean
Start	10305	End	10676
GI	none	Score	90
Exons	10305..10676, 10516..10659		

Seq. No.	12937	Seq. ID	OJ990830_09.9C23.C9
Gene No.	27330	Strand	-
Start	7608	End	17421
Name	OJ990830_09.9C23.C9.o2.tw	Method	TBLASTX:Wheat
Start	10330	End	10755
GI	none	Score	333
Exons	10330..10755, 10335..10754		

Seq. No.	12937	Seq. ID	OJ990830_09.9C23.C9
Gene No.	27330	Strand	-
Start	7608	End	17421
Name	OJ990830_09.9C23.C9.o3.tm	Method	TBLASTX:Maize
Start	10428	End	10812
GI	none	Score	226
Exons	10428..10811, 10447..10812		

Seq. No.	12937	Seq. ID	OJ990830_09.9C23.C9
Gene No.	27330	Strand	-
Start	7608	End	17421
Name	OJ990830_09.9C23.C9.o1.tm	Method	TBLASTX:Maize
Start	10839	End	11195
GI	none	Score	110
Exons	10839..11144, 10839..11195, 10849..11160		

Seq. No.	12937	Seq. ID	OJ990830_09.9C23.C9
Gene No.	27330	Strand	-
Start	7608	End	17421
Name	OJ990830_09.9C23.C9.o1.tw	Method	TBLASTX:Wheat
Start	10863	End	11326
GI	none	Score	398
Exons	10863..11324, 10864..11325, 10883..11326		

Seq. No.	12937	Seq. ID	OJ990830_09.9C23.C9
Gene No.	27330	Strand	-
Start	7608	End	17421
Name	OJ990830_09.9C23.C9.o3.ts	Method	TBLASTX:Soybean
Start	10920	End	11285
GI	none	Score	117
Exons	10920..11054, 11061..11285		

Seq. No.	12937	Seq. ID	OJ990830_09.9C23.C9
Gene No.	27330	Strand	-
Start	7608	End	17421
Name	OJ990830_09.9C23.C9.o5.tw	Method	TBLASTX:Wheat
Start	12713	End	13105
GI	none	Score	84
Exons	12713..12970, 12825..12986, 12953..13051, 12954..13034, 13058..13105		

Seq. No.	12937	Seq. ID	OJ990830_09.9C23.C9
Gene No.	27330	Strand	-
Start	7608	End	17421
Name	OJ990830_09.9C23.C9.o4.gs	Method	GENSCAN
Start	14818	End	17421
GI	none	Score	.52
Exons	14818..14906, 15314..15437, 15912..16049, 16149..16194, 16260..16855, 17344..17421		

Seq. No.	12938	Seq. ID	OJ990830_09.9C23.C10
Gene No.	27331	Strand	-
Start	1	End	1528
Name	OJ990830_09.9C23.C10.o1.np	Method	AAT/NAP
Start	1	End	1528
GI	5295955	Score	253
Exons	1..601, 1282..1401, 1435..1528		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	12939	Seq. ID	OJ990830_09.9C23.C11
Gene No.	27332	Strand	+
Start	1215	End	2080
Name	OJ990830_09.9C23.C11.o1.np	Method	AAT/NAP
Start	1215	End	2080
GI	4680179	Score	1085
Exons	1215..2080		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	12939	Seq. ID	OJ990830_09.9C23.C11
Gene No.	27332	Strand	+
Start	1215	End	2080
Name	OJ990830_09.9C23.C11.o1.gs	Method	GENSCAN
Start	1218	End	2013
GI	none	Score	.73
Exons	1218..2013		

Seq. No.	12939	Seq. ID	OJ990830_09.9C23.C11
Gene No.	27332	Strand	+
Start	1215	End	2080
Name	OJ990830_09.9C23.C11.o1.tw	Method	TBLASTX:Wheat
Start	1484	End	1850
GI	none	Score	293
Exons	1484..1846, 1488..1850, 1701..1850		

Seq. No.	12939	Seq. ID	OJ990830_09.9C23.C11
Gene No.	27332	Strand	+
Start	1215	End	2080
Name	OJ990830_09.9C23.C11.o1.tm	Method	TBLASTX:Maize

Start	1728	End	2024
GI	none	Score	202
Exons	1728..2024, 1745..1915		

Seq. No.	12940	Seq. ID	OJ990830_09.9C23.C12
Gene No.	27333	Strand	+
Start	1	End	2550
Name	OJ990830_09.9C23.C12.o1.np	Method	AAT/NAP
Start	1	End	2542
GI	4680179	Score	4121
Exons	1..2542		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	12940	Seq. ID	OJ990830_09.9C23.C12
Gene No.	27333	Strand	+
Start	1	End	2550
Name	OJ990830_09.9C23.C12.o6.tw	Method	TBLASTX:Wheat
Start	1	End	235
GI	none	Score	95
Exons	1..60, 1..54, 3..56, 73..189, 74..235, 92..208		

Seq. No.	12940	Seq. ID	OJ990830_09.9C23.C12
Gene No.	27333	Strand	+
Start	1	End	2550
Name	OJ990830_09.9C23.C12.o4.tm	Method	TBLASTX:Maize
Start	92	End	574
GI	none	Score	149
Exons	92..253, 239..574, 326..565		

Seq. No.	12940	Seq. ID	OJ990830_09.9C23.C12
Gene No.	27333	Strand	+
Start	1	End	2550
Name	OJ990830_09.9C23.C12.o1.gs	Method	GENSCAN
Start	95	End	2545
GI	none	Score	.53
Exons	95..803, 1044..2545		

Seq. No.	12940	Seq. ID	OJ990830_09.9C23.C12
Gene No.	27333	Strand	+
Start	1	End	2550
Name	OJ990830_09.9C23.C12.o1.ts	Method	TBLASTX:Soybean
Start	128	End	523
GI	none	Score	57
Exons	128..160, 128..160, 164..523, 167..241, 171..305, 280..522		

Seq. No.	12940	Seq. ID	OJ990830_09.9C23.C12
Gene No.	27333	Strand	+
Start	1	End	2550
Name	OJ990830_09.9C23.C12.o4.tw	Method	TBLASTX:Wheat
Start	236	End	538
GI	none	Score	397
Exons	236..538, 274..537		

Seq. No.	12940	Seq. ID	OJ990830_09.9C23.C12
Gene No.	27333	Strand	+
Start	1	End	2550
Name	OJ990830_09.9C23.C12.o2.tw	Method	TBLASTX:Wheat

Start	539	End	1048
GI	none	Score	641
Exons	539..1048, 571..957		

Seq. No.	12940	Seq. ID	OJ990830_09.9C23.C12
Gene No.	27333	Strand	+
Start	1	End	2550
Name	OJ990830_09.9C23.C12.o3.ts	Method	TBLASTX:Soybean
Start	548	End	790
GI	none	Score	197
Exons	548..790		

Seq. No.	12940	Seq. ID	OJ990830_09.9C23.C12
Gene No.	27333	Strand	+
Start	1	End	2550
Name	OJ990830_09.9C23.C12.o2.tm	Method	TBLASTX:Maize
Start	611	End	964
GI	none	Score	483
Exons	611..964, 613..879, 653..949		

Seq. No.	12940	Seq. ID	OJ990830_09.9C23.C12
Gene No.	27333	Strand	+
Start	1	End	2550
Name	OJ990830_09.9C23.C12.o3.tw	Method	TBLASTX:Wheat
Start	1052	End	1531
GI	none	Score	590
Exons	1052..1531, 1070..1525, 1147..1530		

Seq. No.	12940	Seq. ID	OJ990830_09.9C23.C12
Gene No.	27333	Strand	+
Start	1	End	2550
Name	OJ990830_09.9C23.C12.o1.tc	Method	TBLASTX:Cress
Start	1229	End	1555
GI	none	Score	90
Exons	1229..1411, 1412..1555, 1477..1554		

Seq. No.	12940	Seq. ID	OJ990830_09.9C23.C12
Gene No.	27333	Strand	+
Start	1	End	2550
Name	OJ990830_09.9C23.C12.o2.ts	Method	TBLASTX:Soybean
Start	1319	End	1579
GI	none	Score	299
Exons	1319..1579, 1324..1425, 1511..1579		

Seq. No.	12940	Seq. ID	OJ990830_09.9C23.C12
Gene No.	27333	Strand	+
Start	1	End	2550
Name	OJ990830_09.9C23.C12.o3.tm	Method	TBLASTX:Maize
Start	1377	End	1669
GI	none	Score	390
Exons	1377..1568, 1379..1669, 1448..1666		

Seq. No.	12940	Seq. ID	OJ990830_09.9C23.C12
Gene No.	27333	Strand	+
Start	1	End	2550
Name	OJ990830_09.9C23.C12.o1.tw	Method	TBLASTX:Wheat
Start	1538	End	2164

GI	none	Score	669
Exons	1538..2164, 1594..2163		
Seq. No.	12940	Seq. ID	OJ990830_09.9C23.C12
Gene No.	27333	Strand	+
Start	1	End	2550
Name	OJ990830_09.9C23.C12.o1.tm	Method	TBLASTX:Maize
Start	1718	End	2305
GI	none	Score	226
Exons	1718..1879, 1724..1870, 1726..1872, 1877..1975, 1877..1945, 1879..1974, 1993..2289, 2036..2305, 2044..2304		
Seq. No.	12940	Seq. ID	OJ990830_09.9C23.C12
Gene No.	27333	Strand	+
Start	1	End	2550
Name	OJ990830_09.9C23.C12.o5.tw	Method	TBLASTX:Wheat
Start	2164	End	2497
GI	none	Score	360
Exons	2164..2433, 2165..2497		
Seq. No.	12940	Seq. ID	OJ990830_09.9C23.C12
Gene No.	27333	Strand	+
Start	1	End	2550
Name	OJ990830_09.9C23.C12.o5.tm	Method	TBLASTX:Maize
Start	2306	End	2550
GI	none	Score	202
Exons	2306..2518, 2338..2427, 2488..2550		
Seq. No.	12941	Seq. ID	OJ990830_09.9C23.C13
Gene No.	27334	Strand	+
Start	1	End	672
Name	OJ990830_09.9C23.C13.o1.np	Method	AAT/NAP
Start	1	End	669
GI	6498441	Score	888
Exons	1..294, 388..669		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	12941	Seq. ID	OJ990830_09.9C23.C13
Gene No.	27334	Strand	+
Start	1	End	672
Name	OJ990830_09.9C23.C13.o1.tw	Method	TBLASTX:Wheat
Start	48	End	660
GI	none	Score	42
Exons	48..71, 50..73, 82..342, 84..341, 97..474, 98..349, 534..656, 535..660		
Seq. No.	12941	Seq. ID	OJ990830_09.9C23.C13
Gene No.	27334	Strand	+
Start	1	End	672
Name	OJ990830_09.9C23.C13.o1.gs	Method	GENSCAN
Start	108	End	672
GI	none	Score	.92
Exons	108..672		
Seq. No.	12941	Seq. ID	OJ990830_09.9C23.C13

Gene No.	27334	Strand	+
Start	1	End	672
Name	OJ990830_09.9C23.C13.o1.tm	Method	TBLASTX:Maize
Start	529	End	672
GI	none	Score	178
Exons	529..672, 534..668		

Seq. No.	12942	Seq. ID	OJ990830_09.9C23.C15
Gene No.	27335	Strand	+
Start	578	End	1622
Name	OJ990830_09.9C23.C15.o1.gp	Method	AAT/GAP
Start	578	End	877
GI	427610	Score	317
Exons	578..800, 825..877		
GI Descrip.	5852172/emb|CAB55410.1| 4.0e-11 (AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	12942	Seq. ID	OJ990830_09.9C23.C15
Gene No.	27335	Strand	+
Start	578	End	1622
Name	OJ990830_09.9C23.C15.o1.gs	Method	GENSCAN
Start	664	End	1622
GI	none	Score	.58
Exons	664..812, 1485..1622		

Seq. No.	12942	Seq. ID	OJ990830_09.9C23.C15
Gene No.	27336	Strand	-
Start	697	End	857
Name	OJ990830_09.9C23.C15.o1.np	Method	AAT/NAP
Start	697	End	857
GI	5852172	Score	139
Exons	697..857		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	12943	Seq. ID	OJ990830_09.9C23.C17
Gene No.	27337	Strand	+
Start	1309	End	1989
Name	OJ990830_09.9C23.C17.o1.gp	Method	AAT/GAP
Start	1309	End	1499
GI	427532	Score	354
Exons	1309..1499		

Seq. No.	12943	Seq. ID	OJ990830_09.9C23.C17
Gene No.	27337	Strand	+
Start	1309	End	1989
Name	OJ990830_09.9C23.C17.o1.gs	Method	GENSCAN
Start	1325	End	1989
GI	none	Score	.97
Exons	1325..1497, 1875..1989		

Seq. No.	12944	Seq. ID	OJ990830_09.9C23.C18
Gene No.	27338	Strand	+
Start	1	End	315
Name	OJ990830_09.9C23.C18.o1.gp	Method	AAT/GAP
Start	1	End	315
GI	none	Score	604
Exons	1..315		

Seq. No.	12944	Seq. ID	OJ990830_09.9C23.C18
Gene No.	27339	Strand	+
Start	496	End	755
Name	OJ990830_09.9C23.C18.o3.gp	Method	AAT/GAP
Start	496	End	755
GI	LIB3431-010-P1-N1-F11	Score	457
Exons	496..755		
GI Descrip.	'287403/dbj|D10838|RICSBE1 1.0e-111 Rice gene for starch branching enzyme'		

Seq. No.	12944	Seq. ID	OJ990830_09.9C23.C18
Gene No.	27340	Strand	+
Start	905	End	1670
Name	OJ990830_09.9C23.C18.o1.gs	Method	GENSCAN
Start	905	End	1670
GI	none	Score	.41
Exons	905..1083, 1520..1670		

Seq. No.	12944	Seq. ID	OJ990830_09.9C23.C18
Gene No.	27341	Strand	+
Start	5577	End	6906
Name	OJ990830_09.9C23.C18.o2.np	Method	AAT/NAP
Start	5577	End	6906
GI	1488267	Score	598
Exons	5577..5744, 6009..6076, 6147..6175, 6267..6463, 6541..6759, 6876..6906		
GI Descrip.	(U57412) low affinity calcium antiporter CAX2 [Arabidopsis thaliana]		

Seq. No.	12944	Seq. ID	OJ990830_09.9C23.C18
Gene No.	27342	Strand	-
Start	1	End	315
Name	OJ990830_09.9C23.C18.o2.gp	Method	AAT/GAP
Start	1	End	315
GI	none	Score	615
Exons	1..315		

Seq. No.	12944	Seq. ID	OJ990830_09.9C23.C18
Gene No.	27343	Strand	-
Start	1262	End	2907
Name	OJ990830_09.9C23.C18.o4.gp	Method	AAT/GAP
Start	1262	End	1899
GI	16421_1.R1084	Score	969
Exons	1262..1666, 1786..1899		
GI Descrip.	'3075402 6.0e-12 (AC004484) unknown protein [Arabidopsis thaliana]'		

Seq. No.	12944	Seq. ID	OJ990830_09.9C23.C18
Gene No.	27343	Strand	-
Start	1262	End	2907
Name	OJ990830_09.9C23.C18.o1.np	Method	AAT/NAP
Start	1533	End	2907
GI	3075402	Score	259
Exons	1533..1666, 1786..1920, 2853..2907		
GI Descrip.	(AC004484) unknown protein [Arabidopsis thaliana]		

Seq. No.	12944	Seq. ID	OJ990830_09.9C23.C18
Gene No.	27344	Strand	-
Start	2853	End	3232
Name	OJ990830_09.9C23.C18.o1.tw	Method	TBLASTX:Wheat
Start	1448	End	2916
GI	none	Score	37
Exons	1448..1504, 1449..1505, 1515..1670, 1522..1686, 1525..1695, 1601..1711, 1763..1825, 1782..1826, 1826..1921, 1827..1922, 2854..2916, 2855..2899		

Seq. No.	12944	Seq. ID	OJ990830_09.9C23.C18
Gene No.	27344	Strand	-
Start	2853	End	3232
Name	OJ990830_09.9C23.C18.o2.tm	Method	TBLASTX:Maize
Start	1533	End	2916
GI	none	Score	132
Exons	1533..1670, 1536..1694, 1537..1695, 1763..1921, 1782..1922, 1782..1922, 1783..1926, 2854..2916, 2855..2899		

Seq. No.	12944	Seq. ID	OJ990830_09.9C23.C18
Gene No.	27344	Strand	-
Start	2853	End	3232
Name	OJ990830_09.9C23.C18.o2.ts	Method	TBLASTX:Soybean
Start	1606	End	2916
GI	none	Score	77
Exons	1606..1665, 1608..1784, 1612..1695, 1781..1918, 1782..1919, 2854..2916		

Seq. No.	12944	Seq. ID	OJ990830_09.9C23.C18
Gene No.	27344	Strand	-
Start	2853	End	3232
Name	OJ990830_09.9C23.C18.o5.gp	Method	AAT/GAP
Start	2853	End	3232
GI	20948_1.R1084	Score	646
Exons	2853..3232		
GI Descrip.	'4512263/dbj|BAA75232.1| 3.0e-47 (AB018526) H+/Ca2+ exchanger 2 [Ipomoea nil]'		

Seq. No.	12944	Seq. ID	OJ990830_09.9C23.C18
Gene No.	27345	Strand	
Start	5489	End	6757
Name	OJ990830_09.9C23.C18.o3.tm	Method	TBLASTX:Maize
Start	5489	End	6379
GI	none	Score	118
Exons	5489..5731, 5522..5722, 5526..5744, 6004..6075, 6005..6076, 6009..6077, 6019..6084, 6146..6175, 6148..6174, 6148..6186, 6149..6187, 6263..6376, 6265..6378, 6266..6379		

Seq. No.	12944	Seq. ID	OJ990830_09.9C23.C18
Gene No.	27345	Strand	
Start	5489	End	6757
Name	OJ990830_09.9C23.C18.o1.tc	Method	TBLASTX:Cress
Start	5640	End	6735
GI	none	Score	111
Exons	5640..5729, 6006..6077, 6008..6076, 6148..6174, 6265..6474, 6266..6469, 6531..6716, 6543..6719, 6547..6735		

Seq. No.	12944	Seq. ID	OJ990830_09.9C23.C18
Gene No.	27345	Strand	
Start	5489	End	6757
Name	OJ990830_09.9C23.C18.o1.ts	Method	TBLASTX:Soybean
Start	6340	End	6750
GI	none	Score	170
Exons	6340..6462, 6341..6463, 6531..6749, 6538..6750		

Seq. No.	12944	Seq. ID	OJ990830_09.9C23.C18
Gene No.	27345	Strand	
Start	5489	End	6757
Name	OJ990830_09.9C23.C18.o1.tm	Method	TBLASTX:Maize
Start	6382	End	6757
GI	none	Score	139
Exons	6382..6468, 6383..6463, 6384..6470, 6531..6755, 6538..6753, 6539..6757		

Seq. No.	12945	Seq. ID	OJ990830_09.9C23.C19
Gene No.	27346	Strand	+
Start	1	End	130
Name	OJ990830_09.9C23.C19.o1.np	Method	AAT/NAP
Start	1	End	130
GI	2580499	Score	101
Exons	1..130		
GI Descrip.	(U67186) NADPH:ferrihemoprotein oxidoreductase [Eschscholzia californica]		

Seq. No.	12945	Seq. ID	OJ990830_09.9C23.C19
Gene No.	27347	Strand	+
Start	4974	End	10113
Name	OJ990830_09.9C23.C19.o2.np	Method	AAT/NAP
Start	4974	End	10113
GI	4836931	Score	677
Exons	4974..5011, 7137..7316, 7595..7677, 7974..8071, 8255..8319, 8533..8583, 8699..8775, 9983..10113		
GI Descrip.	(AC006085) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12945	Seq. ID	OJ990830_09.9C23.C19
Gene No.	27347	Strand	+
Start	4974	End	10113
Name	OJ990830_09.9C23.C19.o3.gp	Method	AAT/GAP
Start	6677	End	7056
GI	426244	Score	461
Exons	6677..6810, 6926..7056		

Seq. No.	12945	Seq. ID	OJ990830_09.9C23.C19
Gene No.	27347	Strand	+
Start	4974	End	10113
Name	OJ990830_09.9C23.C19.o3.gs	Method	GENSCAN
Start	6931	End	10070
GI	none	Score	.94
Exons	6931..7316, 7595..7677, 7974..8062, 8246..8319, 8626..8654, 9983..10070		

Seq. No.	12945	Seq. ID	OJ990830_09.9C23.C19
Gene No.	27347	Strand	+
Start	4974	End	10113

Name	OJ990830_09.9C23.C19.o4.gp	Method	AAT/GAP
Start	9782	End	10113
GI	2310291	Score	664
Exons	9782..10113		
GI Descrip.	2652938/emb|CAA87634| 6.0e-10 (Z47554) orf [Zea mays]		

Seq. No.	12945	Seq. ID	OJ990830_09.9C23.C19
Gene No.	27348	Strand	-
Start	34	End	215
Name	OJ990830_09.9C23.C19.o1.gs	Method	GENSCAN
Start	34	End	215
GI	none	Score	.69
Exons	34..215		

Seq. No.	12945	Seq. ID	OJ990830_09.9C23.C19
Gene No.	27348	Strand	-
Start	34	End	215
Name	OJ990830_09.9C23.C19.o1.gp	Method	AAT/GAP
Start	43	End	170
GI	23415_1.R1084	Score	222
Exons	43..170		
GI Descrip.	'2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]'		

Seq. No.	12945	Seq. ID	OJ990830_09.9C23.C19
Gene No.	27349	Strand	-
Start	1541	End	4439
Name	OJ990830_09.9C23.C19.o2.gs	Method	GENSCAN
Start	1541	End	4439
GI	none	Score	.5
Exons	1541..1687, 1969..2092, 3153..3314, 3409..3780, 3831..3931, 4380..4439		

Seq. No.	12946	Seq. ID	OJ990830_09.9C23.C20
Gene No.	27350	Strand	+
Start	7	End	396
Name	OJ990830_09.9C23.C20.o1.gs	Method	GENSCAN
Start	7	End	396
GI	none	Score	.97
Exons	7..396		

Seq. No.	12947	Seq. ID	OJ990830_09.9C23.C21
Gene No.	27351	Strand	-
Start	664	End	945
Name	OJ990830_09.9C23.C21.o1.gs	Method	GENSCAN
Start	664	End	945
GI	none	Score	.79
Exons	664..945		

Seq. No.	12947	Seq. ID	OJ990830_09.9C23.C21
Gene No.	27352	Strand	-
Start	6314	End	12839
Name	OJ990830_09.9C23.C21.o3.gs	Method	GENSCAN
Start	6314	End	8713

GI	none	Score	.81
Exons	6314..6422, 7530..8062, 8220..8344, 8665..8713		

Seq. No.	12947	Seq. ID	OJ990830_09.9C23.C21
Gene No.	27352	Strand	-
Start	6314	End	12839
Name	OJ990830_09.9C23.C21.o1.np	Method	AAT/NAP
Start	6967	End	8698
GI	6907086	Score	534
Exons	6967..7050, 7148..7529, 7696..7852, 7911..8698		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	12947	Seq. ID	OJ990830_09.9C23.C21
Gene No.	27352	Strand	-
Start	6314	End	12839
Name	OJ990830_09.9C23.C21.o2.np	Method	AAT/NAP
Start	8090	End	12839
GI	4680186	Score	387
Exons	8090..8116, 9834..9994, 10601..10752, 12806..12839		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	12947	Seq. ID	OJ990830_09.9C23.C21
Gene No.	27352	Strand	-
Start	6314	End	12839
Name	OJ990830_09.9C23.C21.o4.gs	Method	GENSCAN
Start	10602	End	10764
GI	none	Score	.93
Exons	10602..10764		

Seq. No.	12948	Seq. ID	OJ990830_09.9C23.C22
Gene No.	27353	Strand	+
Start	1326	End	1552
Name	OJ990830_09.9C23.C22.o2.gp	Method	AAT/GAP
Start	1326	End	1552
GI	3761181	Score	350
Exons	1326..1552		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	12948	Seq. ID	OJ990830_09.9C23.C22
Gene No.	27354	Strand	-
Start	8	End	1773
Name	OJ990830_09.9C23.C22.o1.gs	Method	GENSCAN
Start	8	End	1773
GI	none	Score	.54
Exons	8..307, 1522..1773		

Seq. No.	12948	Seq. ID	OJ990830_09.9C23.C22
Gene No.	27354	Strand	-
Start	8	End	1773
Name	OJ990830_09.9C23.C22.o1.gp	Method	AAT/GAP
Start	1212	End	1317
GI	5816518	Score	151
Exons	1212..1317		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	12949	Seq. ID	OJ990830_09.9C23.C23
Gene No.	27355	Strand	+
Start	1	End	2152
Name	OJ990830_09.9C23.C23.o1.np	Method	AAT/NAP
Start	1	End	2152
GI	5091513	Score	1788
Exons	1..712, 1456..2152		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	12950	Seq. ID	OJ990830_09.9C23.C24
Gene No.	27356	Strand	-
Start	377	End	409
Name	OJ990830_09.9C23.C24.o1.gs	Method	GENSCAN
Start	377	End	409
GI	none	Score	.9
Exons	377..409		

Seq. No.	12951	Seq. ID	OJ990830_09.9C23.C25
Gene No.	27357	Strand	+
Start	1	End	725
Name	OJ990830_09.9C23.C25.o1.np	Method	AAT/NAP
Start	1	End	725
GI	6498441	Score	783
Exons	1..336, 508..725		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	12951	Seq. ID	OJ990830_09.9C23.C25
Gene No.	27357	Strand	+
Start	1	End	725
Name	OJ990830_09.9C23.C25.o1.tw	Method	TBLASTX:Wheat
Start	181	End	642
GI	none	Score	234
Exons	181..432, 208..432, 273..446, 493..642, 502..639, 504..641		

Seq. No.	12952	Seq. ID	OJ990830_09.9C23.C27
Gene No.	27358	Strand	+
Start	1	End	541
Name	OJ990830_09.9C23.C27.o1.np	Method	AAT/NAP
Start	1	End	538
GI	6498441	Score	670
Exons	1..163, 257..538		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	12952	Seq. ID	OJ990830_09.9C23.C27
Gene No.	27358	Strand	+
Start	1	End	541
Name	OJ990830_09.9C23.C27.o1.gs	Method	GENSCAN
Start	49	End	541
GI	none	Score	.94
Exons	49..541		

Seq. No.	12952	Seq. ID	OJ990830_09.9C23.C27
Gene No.	27359	Strand	-

Start	1158	End	1890
Name	OJ990830_09.9C23.C27.o2.gs	Method	GENSCAN
Start	1158	End	1820
GI	none	Score	.65
Exons	1158..1820		

Seq. No.	12952	Seq. ID	OJ990830_09.9C23.C27
Gene No.	27359	Strand	-
Start	1158	End	1890
Name	OJ990830_09.9C23.C27.o2.np	Method	AAT/NAP
Start	1161	End	1890
GI	5803259	Score	915
Exons	1161..1890		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	12953	Seq. ID	OJ990830_09.9C23.C28
Gene No.	27360	Strand	-
Start	1	End	2195
Name	OJ990830_09.9C23.C28.o1.np	Method	AAT/NAP
Start	1	End	2195
GI	6907089	Score	2826
Exons	1..837, 937..2195		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	12953	Seq. ID	OJ990830_09.9C23.C28
Gene No.	27360	Strand	-
Start	1	End	2195
Name	OJ990830_09.9C23.C28.o1.gs	Method	GENSCAN
Start	84	End	2195
GI	none	Score	.8
Exons	84..837, 937..2195		

Seq. No.	12954	Seq. ID	OJ990830_09.9C23.C29
Gene No.	27361	Strand	+
Start	1	End	3815
Name	OJ990830_09.9C23.C29.o1.np	Method	AAT/NAP
Start	1	End	3815
GI	5042454	Score	165
Exons	1..141, 455..543, 3784..3815		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	12954	Seq. ID	OJ990830_09.9C23.C29
Gene No.	27361	Strand	+
Start	1	End	3815
Name	OJ990830_09.9C23.C29.o1.gs	Method	GENSCAN
Start	345	End	552
GI	none	Score	.43
Exons	345..552		

Seq. No.	12954	Seq. ID	OJ990830_09.9C23.C29
Gene No.	27362	Strand	-
Start	1588	End	3002
Name	OJ990830_09.9C23.C29.o2.gs	Method	GENSCAN
Start	1588	End	3002
GI	none	Score	.93
Exons	1588..1776, 1870..2020, 2095..2297, 2929..3002		

Seq. No.	12955	Seq. ID	OJ990830_09.9C23.C30
Gene No.	27363	Strand	+
Start	220	End	1496
Name	OJ990830_09.9C23.C30.o1.gs	Method	GENSCAN
Start	220	End	1496
GI	none	Score	.75
Exons	220..279, 316..441, 521..664, 1105..1139, 1247..1299, 1381..1496		

Seq. No.	12955	Seq. ID	OJ990830_09.9C23.C30
Gene No.	27363	Strand	+
Start	220	End	1496
Name	OJ990830_09.9C23.C30.o1.gp	Method	AAT/GAP
Start	878	End	1387
GI	uC-osflcyp176b02b1	Score	1004
Exons	878..1387		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	12956	Seq. ID	OJ991121_31.0103.C1
Gene No.	27364	Strand	-
Start	35	End	85
Name	OJ991121_31.0103.C1.o1.gs	Method	GENSCAN
Start	35	End	85
GI	none	Score	.79
Exons	35..85		

Seq. No.	12957	Seq. ID	OJ991121_31.0103.C3
Gene No.	27365	Strand	+
Start	956	End	979
Name	OJ991121_31.0103.C3.o1.gs	Method	GENSCAN
Start	956	End	979
GI	none	Score	.84
Exons	956..979		

Seq. No.	12958	Seq. ID	OJ991121_31.0103.C4
Gene No.	27366	Strand	-
Start	522	End	1794
Name	OJ991121_31.0103.C4.o1.np	Method	AAT/NAP
Start	204	End	1794
GI	1061334	Score	37
Exons	204..284, 856..990, 1752..1794		
GI Descrip.	(U34258) cappuccino [Drosophila melanogaster] gi|1584652|prf||2123320A cappuccino gene [Drosophila melanogaster]		

Seq. No.	12958	Seq. ID	OJ991121_31.0103.C4
Gene No.	27366	Strand	-
Start	522	End	1794
Name	OJ991121_31.0103.C4.o1.gs	Method	GENSCAN
Start	522	End	1700
GI	none	Score	.78
Exons	522..880, 1090..1130, 1226..1452, 1655..1700		

Seq. No.	12959	Seq. ID	OJ991121_31.0103.C5
Gene No.	27367	Strand	+
Start	1773	End	1948
Name	OJ991121_31.0103.C5.o1.gs	Method	GENSCAN

Start	1773	End	1948
GI	none	Score	.58
Exons	1773..1948		

Seq. No.	12959	Seq. ID	OJ991121_31.0103.C5
Gene No.	27368	Strand	-
Start	1406	End	1484
Name	OJ991121_31.0103.C5.o1.gp	Method	AAT/GAP
Start	1406	End	1484
GI	90742_1.R1084	Score	98
Exons	1406..1484		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 4.0e-29 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	12959	Seq. ID	OJ991121_31.0103.C5
Gene No.	27369	Strand	-
Start	3306	End	3430
Name	OJ991121_31.0103.C5.o2.gs	Method	GENSCAN
Start	3306	End	3430
GI	none	Score	.6
Exons	3306..3430		

Seq. No.	12960	Seq. ID	OJ991121_31.0103.C6
Gene No.	27370	Strand	+
Start	578	End	2236
Name	OJ991121_31.0103.C6.o1.gs	Method	GENSCAN
Start	578	End	2236
GI	none	Score	.74
Exons	578..646, 1711..2236		

Seq. No.	12960	Seq. ID	OJ991121_31.0103.C6
Gene No.	27370	Strand	+
Start	578	End	2236
Name	OJ991121_31.0103.C6.o1.tm	Method	TBLASTX:Maize
Start	1728	End	2229
GI	none	Score	45
Exons	1728..1790, 1739..1789, 1811..1918, 1816..1959, 1825..1905, 1827..1922, 1904..2215, 1914..2228, 1984..2229, 2026..2229		

Seq. No.	12961	Seq. ID	OJ991121_31.0103.C7
Gene No.	27371	Strand	+
Start	74	End	666
Name	OJ991121_31.0103.C7.o1.gs	Method	GENSCAN
Start	74	End	666
GI	none	Score	.85
Exons	74..666		

Seq. No.	12961	Seq. ID	OJ991121_31.0103.C7
Gene No.	27372	Strand	+
Start	7905	End	14003
Name	OJ991121_31.0103.C7.o3.tm	Method	TBLASTX:Maize
Start	181	End	4867
GI	none	Score	249
Exons	181..522, 198..533, 276..530, 4781..4867		

Seq. No.	12961	Seq. ID	OJ991121_31.0103.C7
Gene No.	27372	Strand	+

Start	7905	End	14003
Name	OJ991121_31.0103.C7.o2.tm	Method	TBLASTX:Maize
Start	3601	End	13932
GI	none	Score	88
Exons	3601..3699, 3610..3699, 3692..3748, 3718..3912, 3721..3834, 3726..3893, 3925..3993, 3939..3992, 10240..10308, 10241..10309, 10260..10334, 10327..10521, 10330..10443, 10335..10502, 10534..10602, 10545..10601, 12207..12248, 12270..12380, 12287..12394, 12299..12376, 12304..12393, 12386..12409, 12449..12685, 12451..12687, 12483..12647, 12547..12675, 13561..13641, 13581..13643, 13593..13664, 13660..13782, 13668..13760, 13744..13860, 13779..13847, 13855..13932, 13875..13931		

Seq. No.	12961	Seq. ID	OJ991121_31.0103.C7
Gene No.	27372	Strand	+
Start	7905	End	14003
Name	OJ991121_31.0103.C7.o1.ts	Method	TBLASTX:Soybean
Start	5032	End	5329
GI	none	Score	104
Exons	5032..5151, 5048..5155, 5144..5329, 5164..5307		

Seq. No.	12961	Seq. ID	OJ991121_31.0103.C7
Gene No.	27372	Strand	+
Start	7905	End	14003
Name	OJ991121_31.0103.C7.o1.tw	Method	TBLASTX:Wheat
Start	5048	End	5503
GI	none	Score	243
Exons	5048..5326, 5197..5310, 5405..5503		

Seq. No.	12961	Seq. ID	OJ991121_31.0103.C7
Gene No.	27372	Strand	+
Start	7905	End	14003
Name	OJ991121_31.0103.C7.o1.tm	Method	TBLASTX:Maize
Start	5116	End	5515
GI	none	Score	256
Exons	5116..5358, 5123..5374, 5141..5479, 5360..5515, 5395..5514		

Seq. No.	12961	Seq. ID	OJ991121_31.0103.C7
Gene No.	27372	Strand	+
Start	7905	End	14003
Name	OJ991121_31.0103.C7.o2.tw	Method	TBLASTX:Wheat
Start	5612	End	5971
GI	none	Score	50
Exons	5612..5692, 5708..5905, 5812..5895, 5912..5971		

Seq. No.	12961	Seq. ID	OJ991121_31.0103.C7
Gene No.	27372	Strand	+
Start	7905	End	14003
Name	OJ991121_31.0103.C7.o3.gs	Method	GENSCAN
Start	7905	End	14003
GI	none	Score	.45
Exons	7905..7921, 8234..8415, 9050..9308, 9945..10005, 10117..11475, 13447..14003		

Seq. No.	12962	Seq. ID	OJ991121_31.0103.C8
Gene No.	27373	Strand	+

Start	13859	End	14042
Name	OJ991121_31.0103.C8.o1.np	Method	AAT/NAP
Start	13859	End	14042
GI	4680492	Score	158
Exons	13859..14042		
GI Descrip.	(AF119222) putative reverse transcriptase [Oryza sativa]		

Seq. No.	12962	Seq. ID	OJ991121_31.0103.C8
Gene No.	27374	Strand	+
Start	15971	End	17512
Name	OJ991121_31.0103.C8.o4.gs	Method	GENSCAN
Start	15971	End	17512
GI	none	Score	.78
Exons	15971..17512		

Seq. No.	12962	Seq. ID	OJ991121_31.0103.C8
Gene No.	27375	Strand	-
Start	14812	End	16468
Name	OJ991121_31.0103.C8.o1.tm	Method	TBLASTX:Maize
Start	5610	End	16468
GI	none	Score	76
Exons	5610..5708, 5613..5699, 5683..5802, 5700..5843, 5712..5789, 5799..6113, 5806..6072, 5868..6113, 8486..8584, 8495..8584, 8603..8797, 8605..8793, 8771..8878, 8821..8877, 12067..12165, 12069..12137, 12070..12156, 12157..12300, 12214..12246, 12216..12260, 12256..12318, 12266..12568, 12266..12505, 12306..12569, 12367..12570, 12424..12570, 15965..16054, 15968..16054, 16037..16135, 16038..16124, 16073..16198, 16120..16161, 16154..16468, 16191..16406, 16267..16467		

Seq. No.	12962	Seq. ID	OJ991121_31.0103.C8
Gene No.	27375	Strand	-
Start	14812	End	16468
Name	OJ991121_31.0103.C8.o3.gs	Method	GENSCAN
Start	14812	End	15110
GI	none	Score	.77
Exons	14812..14961, 14967..15110		

Seq. No.	12963	Seq. ID	OJ991121_31.0103.C9
Gene No.	27376	Strand	+
Start	542	End	1766
Name	OJ991121_31.0103.C9.o1.gs	Method	GENSCAN
Start	542	End	1620
GI	none	Score	.67
Exons	542..636, 1339..1620		

Seq. No.	12963	Seq. ID	OJ991121_31.0103.C9
Gene No.	27376	Strand	+
Start	542	End	1766
Name	OJ991121_31.0103.C9.o1.gp	Method	AAT/GAP
Start	1328	End	1766
GI	701165	Score	732
Exons	1328..1766		

Seq. No.	12963	Seq. ID	OJ991121_31.0103.C9
Gene No.	27377	Strand	+
Start	2661	End	6120

Name	OJ991121_31.0103.C9.o1.np	Method	AAT/NAP
Start	2573	End	5561
GI	4006859	Score	489
Exons	2573..2902, 3597..3834, 4595..4775, 4856..4946, 5301..5561		
GI Descrip.	(Z99707) putative protein [Arabidopsis thaliana]		

Seq. No.	12963	Seq. ID	OJ991121_31.0103.C9
Gene No.	27377	Strand	+
Start	2661	End	6120
Name	OJ991121_31.0103.C9.o2.gs	Method	GENSCAN
Start	2661	End	6120
GI	none	Score	.86
Exons	2661..2902, 3597..3832, 4566..4775, 4856..5021, 5295..5538, 5728..6120		

Seq. No.	12963	Seq. ID	OJ991121_31.0103.C9
Gene No.	27378	Strand	+
Start	9345	End	10603
Name	OJ991121_31.0103.C9.o4.gs	Method	GENSCAN
Start	9345	End	10603
GI	none	Score	.7
Exons	9345..9447, 9459..9814, 10100..10603		

Seq. No.	12963	Seq. ID	OJ991121_31.0103.C9
Gene No.	27379	Strand	+
Start	17050	End	18681
Name	OJ991121_31.0103.C9.o6.gs	Method	GENSCAN
Start	17050	End	18681
GI	none	Score	.96
Exons	17050..18112, 18638..18681		

Seq. No.	12963	Seq. ID	OJ991121_31.0103.C9
Gene No.	27380	Strand	+
Start	31226	End	32171
Name	OJ991121_31.0103.C9.o3.np	Method	AAT/NAP
Start	31226	End	32171
GI	6642677	Score	128
Exons	31226..31680, 31952..32171		
GI Descrip.	(AC015450) unknown protein [Arabidopsis thaliana]		

Seq. No.	12963	Seq. ID	OJ991121_31.0103.C9
Gene No.	27380	Strand	+
Start	31226	End	32171
Name	OJ991121_31.0103.C9.o8.gs	Method	GENSCAN
Start	31226	End	32102
GI	none	Score	.47
Exons	31226..31839, 31841..32102		

Seq. No.	12963	Seq. ID	OJ991121_31.0103.C9
Gene No.	27380	Strand	+
Start	31226	End	32171
Name	OJ991121_31.0103.C9.o4.gp	Method	AAT/GAP
Start	31495	End	31723
GI	5003569	Score	355
Exons	31495..31723		

Seq. No.	12963	Seq. ID	OJ991121_31.0103.C9

Gene No.	27381	Strand	-
Start	11015	End	13959
Name	OJ991121_31.0103.C9.o2.np	Method	AAT/NAP
Start	11015	End	13959
GI	4680186	Score	181
Exons	11015..11068, 11703..11836, 12414..12588, 13925..13959		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	12963	Seq. ID	OJ991121_31.0103.C9
Gene No.	27382	Strand	-
Start	20321	End	21509
Name	OJ991121_31.0103.C9.o2.gp	Method	AAT/GAP
Start	20321	End	21509
GI	17677_2.R1084	Score	1224
Exons	20321..20722, 21276..21509		
GI Descrip.	'5922603/dbj|AP000492.1|AP000492 2.0e-19 Oryza sativa genomic DNA, chromosome 1, clone:P0705D01'		

Seq. No.	12963	Seq. ID	OJ991121_31.0103.C9
Gene No.	27383	Strand	-
Start	24567	End	24661
Name	OJ991121_31.0103.C9.o3.gp	Method	AAT/GAP
Start	24567	End	24661
GI	5867_1.R1084	Score	137
Exons	24567..24661		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	12963	Seq. ID	OJ991121_31.0103.C9
Gene No.	27384	Strand	-
Start	36158	End	38010
Name	OJ991121_31.0103.C9.o4.np	Method	AAT/NAP
Start	36158	End	38010
GI	4678204	Score	460
Exons	36158..36811, 37774..38010		
GI Descrip.	(AC007134) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12963	Seq. ID	OJ991121_31.0103.C9
Gene No.	27385	Strand	-
Start	39347	End	44254
Name	OJ991121_31.0103.C9.o11.gs	Method	GENSCAN
Start	39347	End	43519
GI	none	Score	.83
Exons	39347..39664, 40389..40475, 40588..40647, 40759..40858, 40979..41166, 41359..41385, 42231..42458, 42480..42689, 42733..42858, 43255..43324, 43431..43519		

Seq. No.	12963	Seq. ID	OJ991121_31.0103.C9
Gene No.	27385	Strand	-
Start	39347	End	44254
Name	OJ991121_31.0103.C9.o5.np	Method	AAT/NAP
Start	39362	End	42861

GI	3152613	Score	703
Exons	39362..39664, 40122..40259, 40389..40475, 40588..40647, 40759..40858, 40979..41085, 41116..41375, 41800..42405, 42469..42670, 42785..42861		
GI Descrip.	(AC004482) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12963	Seq. ID	OJ991121_31.0103.C9
Gene No.	27385	Strand	-
Start	39347	End	44254
Name	OJ991121_31.0103.C9.o6.np	Method	AAT/NAP
Start	39362	End	44254
GI	3152613	Score	704
Exons	39362..39664, 40122..40259, 40389..40475, 40588..40647, 40759..40858, 40979..41085, 41116..41375, 41800..42405, 42469..42670, 42785..42892, 44109..44254		
GI Descrip.	(AC004482) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12963	Seq. ID	OJ991121_31.0103.C9
Gene No.	27386	Strand	-
Start	50600	End	51489
Name	OJ991121_31.0103.C9.o4.tm	Method	TBLASTX:Maize
Start	2796	End	4773
GI	none	Score	159
Exons	2796..2951, 2820..2906, 2999..3040, 3585..3833, 3592..3834, 4635..4712, 4705..4773		

Seq. No.	12963	Seq. ID	OJ991121_31.0103.C9
Gene No.	27386	Strand	-
Start	50600	End	51489
Name	OJ991121_31.0103.C9.o4.ts	Method	TBLASTX:Soybean
Start	2796	End	3729
GI	none	Score	111
Exons	2796..2951, 3531..3710, 3568..3729, 3602..3712		

Seq. No.	12963	Seq. ID	OJ991121_31.0103.C9
Gene No.	27386	Strand	-
Start	50600	End	51489
Name	OJ991121_31.0103.C9.o7.tm	Method	TBLASTX:Maize
Start	5354	End	6180
GI	none	Score	82
Exons	5354..5461, 5358..5429, 5359..5463, 5374..5466, 5381..5503, 5440..5544, 5458..5538, 5475..5540, 5619..5711, 5758..5787, 5856..6071, 5857..6180, 5860..6120		

Seq. No.	12963	Seq. ID	OJ991121_31.0103.C9
Gene No.	27386	Strand	-
Start	50600	End	51489
Name	OJ991121_31.0103.C9.o5.tm	Method	TBLASTX:Maize
Start	13452	End	22383
GI	none	Score	143
Exons	13452..13580, 17056..17181, 17254..17382, 22040..22141, 22051..22089, 22174..22347, 22174..22383		

Seq. No.	12963	Seq. ID	OJ991121_31.0103.C9
Gene No.	27386	Strand	-
Start	50600	End	51489
Name	OJ991121_31.0103.C9.o2.tm	Method	TBLASTX:Maize

Start	36549	End	38025
GI	none	Score	266
Exons	36549..36812, 36551..36814, 36551..36814, 37774..37827, 37774..37833, 37778..37834, 37942..38010, 37943..37996, 37993..38025		

Seq. No.	12963	Seq. ID	OJ991121_31.0103.C9
Gene No.	27386	Strand	-
Start	50600	End	51489
Name	OJ991121_31.0103.C9.o3.tm	Method	TBLASTX:Maize
Start	39347	End	39659
GI	none	Score	70
Exons	39347..39439, 39351..39428, 39428..39658, 39450..39659		

Seq. No.	12963	Seq. ID	OJ991121_31.0103.C9
Gene No.	27386	Strand	-
Start	50600	End	51489
Name	OJ991121_31.0103.C9.o3.ts	Method	TBLASTX:Soybean
Start	39368	End	40187
GI	none	Score	99
Exons	39368..39445, 39437..39664, 39450..39665, 40116..40187, 40120..40173		

Seq. No.	12963	Seq. ID	OJ991121_31.0103.C9
Gene No.	27386	Strand	-
Start	50600	End	51489
Name	OJ991121_31.0103.C9.o2.ts	Method	TBLASTX:Soybean
Start	41000	End	41358
GI	none	Score	163
Exons	41000..41215, 41041..41160, 41192..41356, 41227..41358		

Seq. No.	12963	Seq. ID	OJ991121_31.0103.C9
Gene No.	27386	Strand	-
Start	50600	End	51489
Name	OJ991121_31.0103.C9.o6.tm	Method	TBLASTX:Maize
Start	41242	End	42264
GI	none	Score	167
Exons	41242..41388, 41243..41386, 42142..42204, 42144..42212, 42144..42203, 42198..42263, 42198..42263, 42199..42264		

Seq. No.	12963	Seq. ID	OJ991121_31.0103.C9
Gene No.	27386	Strand	-
Start	50600	End	51489
Name	OJ991121_31.0103.C9.o7.np	Method	AAT/NAP
Start	50600	End	51489
GI	4835229	Score	611
Exons	50600..51489		
GI Descrip.	(AL049862) putative protein [Arabidopsis thaliana]		

Seq. No.	12963	Seq. ID	OJ991121_31.0103.C9
Gene No.	27386	Strand	-
Start	50600	End	51489
Name	OJ991121_31.0103.C9.o1.tc	Method	TBLASTX:Cress
Start	50626	End	50847
GI	none	Score	90
Exons	50626..50844, 50630..50845, 50632..50847, 50649..50846		

Seq. No.	12963	Seq. ID	OJ991121_31.0103.C9
Gene No.	27386	Strand	-
Start	50600	End	51489
Name	OJ991121_31.0103.C9.o1.ts	Method	TBLASTX:Soybean
Start	50649	End	51012
GI	none	Score	220
Exons	50649..50885, 50649..51011, 50659..51012		

Seq. No.	12963	Seq. ID	OJ991121_31.0103.C9
Gene No.	27386	Strand	-
Start	50600	End	51489
Name	OJ991121_31.0103.C9.o1.tm	Method	TBLASTX:Maize
Start	50730	End	51173
GI	none	Score	298
Exons	50730..51158, 50730..51173, 50731..51168		

Seq. No.	12963	Seq. ID	OJ991121_31.0103.C9
Gene No.	27386	Strand	-
Start	50600	End	51489
Name	OJ991121_31.0103.C9.o1.tw	Method	TBLASTX:Wheat
Start	50784	End	51173
GI	none	Score	176
Exons	50784..50981, 50784..51173, 50785..51168		

Seq. No.	12964	Seq. ID	OJ991121_31.0103.C10
Gene No.	27387	Strand	-
Start	111	End	260
Name	OJ991121_31.0103.C10.o1.gs	Method	GENSCAN
Start	111	End	260
GI	none	Score	.56
Exons	111..260		

Seq. No.	12965	Seq. ID	OJ991121_31.0103.C11
Gene No.	27388	Strand	+
Start	479	End	799
Name	OJ991121_31.0103.C11.o1.gs	Method	GENSCAN
Start	479	End	799
GI	none	Score	.82
Exons	479..799		

Seq. No.	12965	Seq. ID	OJ991121_31.0103.C11
Gene No.	27388	Strand	+
Start	479	End	799
Name	OJ991121_31.0103.C11.o1.np	Method	AAT/NAP
Start	482	End	775
GI	6706416	Score	146
Exons	482..775		
GI Descrip.	(AL133248) putative protein [Arabidopsis thaliana]		

Seq. No.	12965	Seq. ID	OJ991121_31.0103.C11
Gene No.	27388	Strand	+
Start	479	End	799
Name	OJ991121_31.0103.C11.o1.tm	Method	TBLASTX:Maize
Start	485	End	586
GI	none	Score	178
Exons	485..586, 487..585		

Seq. No.	12965	Seq. ID	OJ991121_31.0103.C11
Gene No.	27388	Strand	+
Start	479	End	799
Name	OJ991121_31.0103.C11.o1.tw	Method	TBLASTX:Wheat
Start	485	End	592
GI	none	Score	180
Exons	485..592, 485..535, 490..588		

Seq. No.	12966	Seq. ID	OJ991121_31.0103.C13
Gene No.	27389	Strand	-
Start	1	End	1539
Name	OJ991121_31.0103.C13.o1.np	Method	AAT/NAP
Start	1	End	1539
GI	6561983	Score	116
Exons	1..86, 173..322, 892..986, 1432..1539		
GI Descrip.	(AL133363) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12966	Seq. ID	OJ991121_31.0103.C13
Gene No.	27389	Strand	-
Start	1	End	1539
Name	OJ991121_31.0103.C13.o1.gs	Method	GENSCAN
Start	602	End	986
GI	none	Score	.71
Exons	602..619, 735..834, 925..986		

Seq. No.	12967	Seq. ID	OJ991121_31.0103.C14
Gene No.	27390	Strand	+
Start	2808	End	6012
Name	OJ991121_31.0103.C14.o2.gs	Method	GENSCAN
Start	2808	End	6012
GI	none	Score	.48
Exons	2808..2911, 3877..3896, 4714..5924, 5986..6012		

Seq. No.	12967	Seq. ID	OJ991121_31.0103.C14
Gene No.	27391	Strand	+
Start	7973	End	9749
Name	OJ991121_31.0103.C14.o1.gp	Method	AAT/GAP
Start	7776	End	8044
GI	2443122	Score	530
Exons	7776..8044		

Seq. No.	12967	Seq. ID	OJ991121_31.0103.C14
Gene No.	27391	Strand	+
Start	7973	End	9749
Name	OJ991121_31.0103.C14.o4.gs	Method	GENSCAN
Start	7973	End	9511
GI	none	Score	.91
Exons	7973..9511		

Seq. No.	12967	Seq. ID	OJ991121_31.0103.C14
Gene No.	27391	Strand	+
Start	7973	End	9749
Name	OJ991121_31.0103.C14.o2.gp	Method	AAT/GAP
Start	9126	End	9749
GI	3766623	Score	1211
Exons	9126..9749		

Seq. No.	12967	Seq. ID	OJ991121_31.0103.C14
Gene No.	27392	Strand	+
Start	11414	End	12937
Name	OJ991121_31.0103.C14.o5.gs	Method	GENSCAN
Start	11414	End	12937
GI	none	Score	.86
Exons	11414..12937		

Seq. No.	12967	Seq. ID	OJ991121_31.0103.C14
Gene No.	27393	Strand	+
Start	15251	End	16783
Name	OJ991121_31.0103.C14.o7.gs	Method	GENSCAN
Start	15251	End	16783
GI	none	Score	.97
Exons	15251..16783		

Seq. No.	12967	Seq. ID	OJ991121_31.0103.C14
Gene No.	27394	Strand	-
Start	217	End	2576
Name	OJ991121_31.0103.C14.o1.gs	Method	GENSCAN
Start	217	End	2576
GI	none	Score	.59
Exons	217..843, 933..1019, 1723..1824, 2184..2267, 2499..2576		

Seq. No.	12967	Seq. ID	OJ991121_31.0103.C14
Gene No.	27395	Strand	-
Start	6734	End	7497
Name	OJ991121_31.0103.C14.o3.gs	Method	GENSCAN
Start	6734	End	7497
GI	none	Score	.88
Exons	6734..6870, 6922..7067, 7400..7497		

Seq. No.	12967	Seq. ID	OJ991121_31.0103.C14
Gene No.	27396	Strand	-
Start	13572	End	13970
Name	OJ991121_31.0103.C14.o6.gs	Method	GENSCAN
Start	13572	End	13970
GI	none	Score	.89
Exons	13572..13970		

Seq. No.	12967	Seq. ID	OJ991121_31.0103.C14
Gene No.	27397	Strand	-
Start	18700	End	20352
Name	OJ991121_31.0103.C14.o6.tm	Method	TBLASTX:Maize
Start	299	End	715
GI	none	Score	262
Exons	299..685, 300..686, 362..715, 415..711		

Seq. No.	12967	Seq. ID	OJ991121_31.0103.C14
Gene No.	27397	Strand	-
Start	18700	End	20352
Name	OJ991121_31.0103.C14.o2.tm	Method	TBLASTX:Maize
Start	4724	End	15748
GI	none	Score	101
Exons	4724..4759, 4797..4913, 4820..4912, 5106..5228, 5118..5216, 7958..8056, 7967..8074, 8040..8162, 8057..8200, 8066..8152, 8068..8160, 8148..8408, 8153..8470, 8260..8430, 11411..11479,		

11414..11491, 11489..11641, 11497..11604, 11597..11659,
11598..11744, 11677..11880, 11708..11893, 11765..11899,
15245..15343, 15247..15309, 15248..15334, 15317..15424,
15318..15437, 15335..15442, 15346..15441, 15423..15746,
15433..15747, 15434..15748, 15434..15748

Seq. No.	12967	Seq. ID	OJ991121_31.0103.C14
Gene No.	27397	Strand	-
Start	18700	End	20352
Name	OJ991121_31.0103.C14.o5.tm	Method	TBLASTX:Maize
Start	5910	End	16659
GI	none	Score	67
Exons	5910..6071, 9037..9378, 9038..9388, 12484..12711, 12485..12700, 12488..12718, 12562..12702, 12736..12813, 16306..16650, 16328..16651, 16341..16655, 16435..16659		

Seq. No.	12967	Seq. ID	OJ991121_31.0103.C14
Gene No.	27397	Strand	-
Start	18700	End	20352
Name	OJ991121_31.0103.C14.o8.gs	Method	GENSCAN
Start	18700	End	20203
GI	none	Score	.97
Exons	18700..19067, 19165..20203		

Seq. No.	12967	Seq. ID	OJ991121_31.0103.C14
Gene No.	27397	Strand	-
Start	18700	End	20352
Name	OJ991121_31.0103.C14.o1.np	Method	AAT/NAP
Start	18703	End	20352
GI	2586083	Score	961
Exons	18703..19067, 19165..20352		
GI Descrip.	(U72725) receptor kinase-like protein [Oryza longistaminata]		

Seq. No.	12967	Seq. ID	OJ991121_31.0103.C14
Gene No.	27397	Strand	-
Start	18700	End	20352
Name	OJ991121_31.0103.C14.o3.tm	Method	TBLASTX:Maize
Start	18706	End	19214
GI	none	Score	56
Exons	18706..18852, 18707..18856, 18871..19068, 18872..19069, 19166..19213, 19167..19214		

Seq. No.	12967	Seq. ID	OJ991121_31.0103.C14
Gene No.	27397	Strand	-
Start	18700	End	20352
Name	OJ991121_31.0103.C14.o1.ts	Method	TBLASTX:Soybean
Start	18712	End	19759
GI	none	Score	52
Exons	18712..18810, 18719..18820, 18886..19068, 18935..19090, 19211..19651, 19260..19652, 19667..19759, 19677..19742		

Seq. No.	12967	Seq. ID	OJ991121_31.0103.C14
Gene No.	27397	Strand	-
Start	18700	End	20352
Name	OJ991121_31.0103.C14.o1.tc	Method	TBLASTX:Cress
Start	18982	End	19762
GI	none	Score	141

Exons	18982..19068, 19166..19189, 19232..19423, 19451..19498, 19517..19762		
Seq. No.	12967	Seq. ID	OJ991121_31.0103.C14
Gene No.	27397	Strand	-
Start	18700	End	20352
Name	OJ991121_31.0103.C14.o1.tm	Method	TBLASTX:Maize
Start	19235	End	19588
GI	none	Score	250
Exons	19235..19588, 19236..19580, 19349..19588		
Seq. No.	12967	Seq. ID	OJ991121_31.0103.C14
Gene No.	27397	Strand	-
Start	18700	End	20352
Name	OJ991121_31.0103.C14.o4.tm	Method	TBLASTX:Maize
Start	19892	End	20254
GI	none	Score	179
Exons	19892..20164, 19932..20156, 20174..20254		
Seq. No.	12967	Seq. ID	OJ991121_31.0103.C14
Gene No.	27397	Strand	-
Start	18700	End	20352
Name	OJ991121_31.0103.C14.o2.tc	Method	TBLASTX:Cress
Start	19955	End	20273
GI	none	Score	133
Exons	19955..20254, 19956..20273, 20027..20254, 20030..20146, 20102..20257, 20138..20254		
Seq. No.	12967	Seq. ID	OJ991121_31.0103.C14
Gene No.	27397	Strand	-
Start	18700	End	20352
Name	OJ991121_31.0103.C14.o2.ts	Method	TBLASTX:Soybean
Start	19964	End	20264
GI	none	Score	69
Exons	19964..20254, 19965..20129, 20021..20182, 20027..20254, 20099..20257, 20100..20261, 20154..20264		
Seq. No.	12968	Seq. ID	OJ991121_31.0103.C15
Gene No.	27398	Strand	-
Start	1	End	933
Name	OJ991121_31.0103.C15.o1.np	Method	AAT/NAP
Start	1	End	933
GI	6522540	Score	467
Exons	1..933		
GI Descrip.	(AL132955) receptor-kinase like protein [Arabidopsis thaliana]		
Seq. No.	12968	Seq. ID	OJ991121_31.0103.C15
Gene No.	27398	Strand	-
Start	1	End	933
Name	OJ991121_31.0103.C15.o1.tc	Method	TBLASTX:Cress
Start	70	End	762
GI	none	Score	61
Exons	70..138, 73..141, 106..330, 154..723, 154..648, 154..720, 154..519, 157..762, 160..711, 244..711, 268..711, 316..714, 362..478, 365..403, 394..735, 451..525, 455..619		
Seq. No.	12968	Seq. ID	OJ991121_31.0103.C15

Gene No.	27398	Strand	-
Start	1	End	933
Name	OJ991121_31.0103.C15.o1.ts	Method	TBLASTX:Soybean
Start	70	End	720
GI	none	Score	40
Exons	70..138, 154..720, 154..657, 154..444, 160..711, 164..259, 244..711, 316..714, 344..652, 529..711, 538..720		

Seq. No.	12968	Seq. ID	OJ991121_31.0103.C15
Gene No.	27398	Strand	-
Start	1	End	933
Name	OJ991121_31.0103.C15.o1.tm	Method	TBLASTX:Maize
Start	79	End	733
GI	none	Score	60
Exons	79..138, 91..279, 148..519, 154..723, 163..720, 190..711, 279..359, 386..733, 403..699, 515..721		

Seq. No.	12968	Seq. ID	OJ991121_31.0103.C15
Gene No.	27398	Strand	-
Start	1	End	933
Name	OJ991121_31.0103.C15.o1.tw	Method	TBLASTX:Wheat
Start	154	End	804
GI	none	Score	95
Exons	154..279, 271..426, 340..507, 487..648, 559..723, 727..804		

Seq. No.	12969	Seq. ID	OJ991121_31.0103.C16
Gene No.	27399	Strand	+
Start	1	End	108
Name	OJ991121_31.0103.C16.o1.gp	Method	AAT/GAP
Start	1	End	108
GI	LIB3433-033-P1-K1-D7	Score	212
Exons	1..108		
GI Descrip.	'531829 9.0e-10 (U12390) beta-galactosidase alpha peptide [cloning vector pSport1]'		

Seq. No.	12970	Seq. ID	OJ991121_31.0103.C17
Gene No.	27400	Strand	-
Start	73	End	405
Name	OJ991121_31.0103.C17.o1.gs	Method	GENSCAN
Start	73	End	405
GI	none	Score	.44
Exons	73..405		

Seq. No.	12971	Seq. ID	OJ991121_31.0103.C18
Gene No.	27401	Strand	+
Start	1	End	636
Name	OJ991121_31.0103.C18.o1.np	Method	AAT/NAP
Start	1	End	636
GI	6651245	Score	191
Exons	1..117, 213..280, 536..636		
GI Descrip.	(AF154003) pirin [Lycopersicon esculentum]		

Seq. No.	12971	Seq. ID	OJ991121_31.0103.C18
Gene No.	27402	Strand	-
Start	272	End	356
Name	OJ991121_31.0103.C18.o1.tm	Method	TBLASTX:Maize
Start	3	End	280

GI	none	Score	123
Exons	3..116, 5..112, 218..280, 220..279		

Seq. No.	12971	Seq. ID	OJ991121_31.0103.C18
Gene No.	27402	Strand	-
Start	272	End	356
Name	OJ991121_31.0103.C18.o1.ts	Method	TBLASTX:Soybean
Start	3	End	282
GI	none	Score	193
Exons	3..116, 5..115, 6..140, 160..276, 194..280, 205..282, 212..280		

Seq. No.	12971	Seq. ID	OJ991121_31.0103.C18
Gene No.	27402	Strand	-
Start	272	End	356
Name	OJ991121_31.0103.C18.o1.gs	Method	GENSCAN
Start	272	End	356
GI	none	Score	.47
Exons	272..356		

Seq. No.	12972	Seq. ID	OJ991121_31.0103.C19
Gene No.	27403	Strand	+
Start	80	End	299
Name	OJ991121_31.0103.C19.o1.gp	Method	AAT/GAP
Start	80	End	299
GI	1632104	Score	383
Exons	80..299		

Seq. No.	12972	Seq. ID	OJ991121_31.0103.C19
Gene No.	27403	Strand	+
Start	80	End	299
Name	OJ991121_31.0103.C19.o1.gs	Method	GENSCAN
Start	154	End	284
GI	none	Score	.97
Exons	154..284		

Seq. No.	12973	Seq. ID	OJ991121_31.0103.C20
Gene No.	27404	Strand	-
Start	374	End	727
Name	OJ991121_31.0103.C20.o1.gp	Method	AAT/GAP
Start	374	End	727
GI	15476_3.R1084	Score	680
Exons	374..727		
GI Descrip.	'169363 5.0e-25 (M75856) PVPR3 [Phaseolus vulgaris]'		

Seq. No.	12973	Seq. ID	OJ991121_31.0103.C20
Gene No.	27404	Strand	-
Start	374	End	727
Name	OJ991121_31.0103.C20.o1.tm	Method	TBLASTX:Maize
Start	375	End	727
GI	none	Score	56
Exons	375..398, 434..505, 438..500, 438..515, 490..546, 618..659, 622..660, 623..727, 708..725		

Seq. No.	12973	Seq. ID	OJ991121_31.0103.C20
Gene No.	27404	Strand	-
Start	374	End	727
Name	OJ991121_31.0103.C20.o1.tw	Method	TBLASTX:Wheat

Start	487	End	727
GI	none	Score	49
Exons	487..651, 544..570, 567..683,	605..652,	614..727, 624..725

Seq. No.	12973	Seq. ID	OJ991121_31.0103.C20
Gene No.	27404	Strand	-
Start	374	End	727
Name	OJ991121_31.0103.C20.o1.np	Method	AAT/NAP
Start	626	End	727
GI	169363	Score	136
Exons	626..727		
GI Descrip.	(M75856) PVPR3 [Phaseolus vulgaris]		

Seq. No.	12974	Seq. ID	OJ991121_31.0103.C22
Gene No.	27405	Strand	-
Start	170	End	449
Name	OJ991121_31.0103.C22.o1.gs	Method	GENSCAN
Start	170	End	449
GI	none	Score	.95
Exons	170..449		

Seq. No.	12975	Seq. ID	OJ991121_31.0103.C23
Gene No.	27406	Strand	-
Start	1	End	369
Name	OJ991121_31.0103.C23.o1.gp	Method	AAT/GAP
Start	1	End	369
GI	uC-osrocyp027f12a1	Score	569
Exons	1..369		
GI Descrip.	'4567304/gb|AAD23715.1|AC005956_4 4.0e-21 (AC005956) unknown protein [Arabidopsis thaliana]'		

Seq. No.	12976	Seq. ID	OJ991121_31.0103.C24
Gene No.	27407	Strand	+
Start	1	End	263
Name	OJ991121_31.0103.C24.o1.gp	Method	AAT/GAP
Start	1	End	263
GI	uC-osrocyp027f12b1	Score	494
Exons	1..263		
GI Descrip.	'4567304/gb|AAD23715.1|AC005956_4 4.0e-21 (AC005956) unknown protein [Arabidopsis thaliana]'		

Seq. No.	12977	Seq. ID	OJ991121_36.0121.C2
Gene No.	27408	Strand	+
Start	1	End	672
Name	OJ991121_36.0121.C2.o1.gp	Method	AAT/GAP
Start	1	End	214
GI	LIB3477-009-P1-K1-F8	Score	373
Exons	1..214		
GI Descrip.	'5302799/emb|CAB46041.1| 7.0e-15 (Z97341) gibberellin oxidase-like protein [Arabidopsis thaliana]'		

Seq. No.	12977	Seq. ID	OJ991121_36.0121.C2
Gene No.	27408	Strand	+
Start	1	End	672
Name	OJ991121_36.0121.C2.o1.np	Method	AAT/NAP
Start	1	End	672
GI	6523052	Score	285

Exons	1..215, 467..672		
GI Descrip.	(AL133314) putative protein [Arabidopsis thaliana]		
Seq. No.	12977	Seq. ID	OJ991121_36.0121.C2
Gene No.	27408	Strand	+
Start	1	End	672
Name	OJ991121_36.0121.C2.o1.ts	Method	TBLASTX:Soybean
Start	6	End	561
GI	none	Score	114
Exons	6..152, 15..152, 17..229, 20..220, 466..561, 466..555		
Seq. No.	12977	Seq. ID	OJ991121_36.0121.C2
Gene No.	27408	Strand	+
Start	1	End	672
Name	OJ991121_36.0121.C2.o1.tc	Method	TBLASTX:Cress
Start	15	End	558
GI	none	Score	83
Exons	15..119, 15..119, 17..253, 19..216, 20..223, 463..558, 469..555		
Seq. No.	12977	Seq. ID	OJ991121_36.0121.C2
Gene No.	27408	Strand	+
Start	1	End	672
Name	OJ991121_36.0121.C2.o1.tm	Method	TBLASTX:Maize
Start	17	End	223
GI	none	Score	115
Exons	17..133, 20..106, 59..223, 86..220		
Seq. No.	12977	Seq. ID	OJ991121_36.0121.C2
Gene No.	27408	Strand	+
Start	1	End	672
Name	OJ991121_36.0121.C2.o1.gs	Method	GENSCAN
Start	77	End	620
GI	none	Score	.68
Exons	77..215, 467..565, 592..620		
Seq. No.	12977	Seq. ID	OJ991121_36.0121.C2
Gene No.	27408	Strand	+
Start	1	End	672
Name	OJ991121_36.0121.C2.o2.tm	Method	TBLASTX:Maize
Start	443	End	572
GI	none	Score	99
Exons	443..556, 463..561, 466..555, 467..556, 516..572		
Seq. No.	12978	Seq. ID	OJ991121_36.0121.C5
Gene No.	27409	Strand	-
Start	1	End	674
Name	OJ991121_36.0121.C5.o1.gp	Method	AAT/GAP
Start	1	End	253
GI	2800877	Score	238
Exons	1..94, 184..253		
GI Descrip.	762924/emb|X85998|DMELAST 7.0e-22 D.melanogaster mRNA for elastin-like protein		
Seq. No.	12978	Seq. ID	OJ991121_36.0121.C5
Gene No.	27409	Strand	-
Start	1	End	674
Name	OJ991121_36.0121.C5.o1.np	Method	AAT/NAP

Start	1	End	674
GI	3688173	Score	299
Exons	1..98, 218..467, 554..674		
GI Descrip.	(AL031804) putative protein [Arabidopsis thaliana]		

Seq. No.	12978	Seq. ID	OJ991121_36.0121.C5
Gene No.	27409	Strand	-
Start	1	End	674
Name	OJ991121_36.0121.C5.o1.ts	Method	TBLASTX:Soybean
Start	232	End	674
GI	none	Score	196
Exons	232..465, 237..470, 243..470, 554..673, 555..674		

Seq. No.	12978	Seq. ID	OJ991121_36.0121.C5
Gene No.	27409	Strand	-
Start	1	End	674
Name	OJ991121_36.0121.C5.o1.tc	Method	TBLASTX:Cress
Start	240	End	673
GI	none	Score	195
Exons	240..449, 241..438, 545..673, 551..673		

Seq. No.	12978	Seq. ID	OJ991121_36.0121.C5
Gene No.	27409	Strand	-
Start	1	End	674
Name	OJ991121_36.0121.C5.o1.tm	Method	TBLASTX:Maize
Start	270	End	673
GI	none	Score	212
Exons	270..470, 280..468, 346..471, 552..650, 554..673, 554..673		

Seq. No.	12979	Seq. ID	OJ991121_36.0121.C6
Gene No.	27410	Strand	+
Start	749	End	1092
Name	OJ991121_36.0121.C6.o2.gp	Method	AAT/GAP
Start	749	End	1092
GI	none	Score	676
Exons	749..1092		

Seq. No.	12979	Seq. ID	OJ991121_36.0121.C6
Gene No.	27411	Strand	-
Start	1	End	1092
Name	OJ991121_36.0121.C6.o1.np	Method	AAT/NAP
Start	1	End	1092
GI	2980806	Score	204
Exons	1..371, 488..577, 1061..1092		
GI Descrip.	(AL022197) putative protein [Arabidopsis thaliana]		

Seq. No.	12979	Seq. ID	OJ991121_36.0121.C6
Gene No.	27411	Strand	-
Start	1	End	1092
Name	OJ991121_36.0121.C6.o1.gs	Method	GENSCAN
Start	118	End	985
GI	none	Score	.54
Exons	118..371, 488..577, 871..985		

Seq. No.	12979	Seq. ID	OJ991121_36.0121.C6
Gene No.	27411	Strand	-
Start	1	End	1092

Name	OJ991121_36.0121.C6.o1.gp	Method	AAT/GAP
Start	123	End	332
GI	uC-osflcyp078g04b1	Score	418
Exons	123..332		
GI Descrip.	'2980806/emb|CAA18182.1| 4.0e-44 (AL022197) putative protein [Arabidopsis thaliana]'		

Seq. No.	12980	Seq. ID	OJ991121_36.0121.C7
Gene No.	27412	Strand	+
Start	251	End	507
Name	OJ991121_36.0121.C7.o1.gs	Method	GENSCAN
Start	251	End	507
GI	none	Score	.77
Exons	251..346, 472..507		

Seq. No.	12980	Seq. ID	OJ991121_36.0121.C7
Gene No.	27413	Strand	-
Start	1	End	318
Name	OJ991121_36.0121.C7.o1.np	Method	AAT/NAP
Start	1	End	318
GI	6647696	Score	83
Exons	1..199, 258..318		
GI Descrip.	PROLINE-RICH ANTIGEN HOMOLOG gi|2896715|emb|CAA17194.1| (AL021897) pra [Mycobacterium tuberculosis]		

Seq. No.	12981	Seq. ID	OJ991121_36.0121.C9
Gene No.	27414	Strand	+
Start	1	End	644
Name	OJ991121_36.0121.C9.o1.gs	Method	GENSCAN
Start	1	End	293
GI	none	Score	.69
Exons	1..35, 211..293		

Seq. No.	12981	Seq. ID	OJ991121_36.0121.C9
Gene No.	27414	Strand	+
Start	1	End	644
Name	OJ991121_36.0121.C9.o1.gp	Method	AAT/GAP
Start	191	End	644
GI	none	Score	538
Exons	191..293, 426..644		

Seq. No.	12981	Seq. ID	OJ991121_36.0121.C9
Gene No.	27415	Strand	+
Start	790	End	981
Name	OJ991121_36.0121.C9.o1.tm	Method	TBLASTX:Maize
Start	2	End	657
GI	none	Score	65
Exons	2..37, 2..37, 211..294, 211..297, 418..573, 425..574, 435..572, 438..587, 593..649, 600..656, 606..650, 610..657		

Seq. No.	12981	Seq. ID	OJ991121_36.0121.C9
Gene No.	27415	Strand	+
Start	790	End	981
Name	OJ991121_36.0121.C9.o1.ts	Method	TBLASTX:Soybean
Start	211	End	577
GI	none	Score	54
Exons	211..255, 247..288, 291..332, 423..572, 425..577, 427..573		

Seq. No.	12981	Seq. ID	OJ991121_36.0121.C9
Gene No.	27415	Strand	+
Start	790	End	981
Name	OJ991121_36.0121.C9.o2.gp	Method	AAT/GAP
Start	790	End	981
GI	none	Score	364
Exons	790..981		

Seq. No.	12982	Seq. ID	OJ991121_36.0121.C11
Gene No.	27416	Strand	-
Start	772	End	844
Name	OJ991121_36.0121.C11.o1.gs	Method	GENSCAN
Start	772	End	844
GI	none	Score	.82
Exons	772..844		

Seq. No.	12983	Seq. ID	OJ991121_36.0121.C12
Gene No.	27417	Strand	-
Start	19	End	103
Name	OJ991121_36.0121.C12.o1.gs	Method	GENSCAN
Start	19	End	103
GI	none	Score	.95
Exons	19..103		

Seq. No.	12984	Seq. ID	OJ991121_36.0121.C13
Gene No.	27418	Strand	+
Start	1207	End	1292
Name	OJ991121_36.0121.C13.o1.gp	Method	AAT/GAP
Start	1207	End	1292
GI	LIB3477-009-P1-K1-F8	Score	145
Exons	1207..1292		
GI Descrip.	'5302799/emb|CAB46041.1| 7.0e-15 (Z97341) gibberellin oxidase-like protein [Arabidopsis thaliana]'		

Seq. No.	12984	Seq. ID	OJ991121_36.0121.C13
Gene No.	27419	Strand	-
Start	1067	End	1184
Name	OJ991121_36.0121.C13.o1.gs	Method	GENSCAN
Start	1067	End	1184
GI	none	Score	.55
Exons	1067..1184		

Seq. No.	12985	Seq. ID	OJ991121_36.0121.C15
Gene No.	27420	Strand	+
Start	445	End	580
Name	OJ991121_36.0121.C15.o1.gs	Method	GENSCAN
Start	445	End	580
GI	none	Score	.9
Exons	445..580		

Seq. No.	12986	Seq. ID	OJ991121_36.0121.C16
Gene No.	27421	Strand	+
Start	52	End	135
Name	OJ991121_36.0121.C16.o1.gs	Method	GENSCAN
Start	52	End	135
GI	none	Score	.91

Exons	52..135		
Seq. No.	12987	Seq. ID	OJ991121_36.0121.C18
Gene No.	27422	Strand	+
Start	2106	End	2753
Name	OJ991121_36.0121.C18.o1.gp	Method	AAT/GAP
Start	2023	End	2439
GI	uC-osroM202030e11b1	Score	786
Exons	2023..2439		
GI Descrip.	'3341978/gb|AAC27500| 3.0e-19 (AF044603) cytokinin oxidase [Zea mays]'		
Seq. No.	12987	Seq. ID	OJ991121_36.0121.C18
Gene No.	27422	Strand	+
Start	2106	End	2753
Name	OJ991121_36.0121.C18.o1.np	Method	AAT/NAP
Start	2103	End	2729
GI	3341978	Score	635
Exons	2103..2729		
GI Descrip.	(AF044603) cytokinin oxidase [Zea mays]		
Seq. No.	12987	Seq. ID	OJ991121_36.0121.C18
Gene No.	27422	Strand	+
Start	2106	End	2753
Name	OJ991121_36.0121.C18.o2.gs	Method	GENSCAN
Start	2106	End	2753
GI	none	Score	.91
Exons	2106..2753		
Seq. No.	12987	Seq. ID	OJ991121_36.0121.C18
Gene No.	27422	Strand	+
Start	2106	End	2753
Name	OJ991121_36.0121.C18.o1.ts	Method	TBLASTX:Soybean
Start	2496	End	2722
GI	none	Score	56
Exons	2496..2579, 2525..2722, 2586..2720		
Seq. No.	12987	Seq. ID	OJ991121_36.0121.C18
Gene No.	27422	Strand	+
Start	2106	End	2753
Name	OJ991121_36.0121.C18.o1.tc	Method	TBLASTX:Cress
Start	2544	End	2720
GI	none	Score	253
Exons	2544..2720, 2597..2719		
Seq. No.	12988	Seq. ID	OJ991121_36.0121.C19
Gene No.	27423	Strand	+
Start	1	End	102
Name	OJ991121_36.0121.C19.o1.np	Method	AAT/NAP
Start	1	End	102
GI	3882018	Score	155
Exons	1..102		
GI Descrip.	(Y18377) cytokinin oxidase [Zea mays]		
Seq. No.	12988	Seq. ID	OJ991121_36.0121.C19
Gene No.	27424	Strand	-
Start	1	End	396

Name	OJ991121_36.0121.C19.o1.gp	Method	AAT/GAP
Start	1	End	396
GI	uC-osroM202030e11a1	Score	784
Exons	1..396		
GI Descrip.	'4191780 3.0e-12 (AC005917) putative cytokinin oxidase [Arabidopsis thaliana]'		

Seq. No.	12989	Seq. ID	OJ991121_36.0121.C22
Gene No.	27425	Strand	-
Start	1	End	255
Name	OJ991121_36.0121.C22.o1.np	Method	AAT/NAP
Start	1	End	255
GI	2498930	Score	57
Exons	1..44, 155..255		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	12989	Seq. ID	OJ991121_36.0121.C22
Gene No.	27425	Strand	-
Start	1	End	255
Name	OJ991121_36.0121.C22.o1.gs	Method	GENSCAN
Start	155	End	161
GI	none	Score	.87
Exons	155..161		

Seq. No.	12990	Seq. ID	OJ991121_36.0121.C23
Gene No.	27426	Strand	-
Start	93	End	472
Name	OJ991121_36.0121.C23.o1.gs	Method	GENSCAN
Start	93	End	453
GI	none	Score	.92
Exons	93..221, 334..453		

Seq. No.	12990	Seq. ID	OJ991121_36.0121.C23
Gene No.	27426	Strand	-
Start	93	End	472
Name	OJ991121_36.0121.C23.o1.np	Method	AAT/NAP
Start	93	End	472
GI	3688173	Score	189
Exons	93..221, 334..472		
GI Descrip.	(AL031804) putative protein [Arabidopsis thaliana]		

Seq. No.	12991	Seq. ID	OJ991121_36.0121.C24
Gene No.	27427	Strand	-
Start	1	End	2174
Name	OJ991121_36.0121.C24.o1.np	Method	AAT/NAP
Start	1	End	2174
GI	3688173	Score	609
Exons	1..371, 676..769, 1673..2174		
GI Descrip.	(AL031804) putative protein [Arabidopsis thaliana]		

Seq. No.	12991	Seq. ID	OJ991121_36.0121.C24
Gene No.	27427	Strand	-
Start	1	End	2174
Name	OJ991121_36.0121.C24.o1.tm	Method	TBLASTX:Maize
Start	161	End	756
GI	none	Score	74

Exons	161..244, 162..224, 182..253, 182..310, 184..372, 207..275, 214..372, 314..415, 327..383, 674..724, 675..728, 678..755, 679..756, 685..756		
Seq. No.	12991	Seq. ID	OJ991121_36.0121.C24
Gene No.	27427	Strand	-
Start	1	End	2174
Name	OJ991121_36.0121.C24.o1.gs	Method	GENSCAN
Start	1646	End	2101
GI	none	Score	.83
Exons	1646..2101		
Seq. No.	12992	Seq. ID	OJ991121_36.0121.C25
Gene No.	27428	Strand	-
Start	415	End	518
Name	OJ991121_36.0121.C25.o1.gs	Method	GENSCAN
Start	415	End	518
GI	none	Score	.93
Exons	415..440, 503..518		
Seq. No.	12993	Seq. ID	OJ991121_36.0121.C28
Gene No.	27429	Strand	
Start	3	End	206
Name	OJ991121_36.0121.C28.o1.tm	Method	TBLASTX:Maize
Start	3	End	206
GI	none	Score	171
Exons	3..206, 3..206		
Seq. No.	12994	Seq. ID	OJ991121_36.0121.C29
Gene No.	27430	Strand	+
Start	2029	End	2513
Name	OJ991121_36.0121.C29.o1.gs	Method	GENSCAN
Start	2029	End	2513
GI	none	Score	.51
Exons	2029..2108, 2149..2336, 2434..2513		
Seq. No.	12994	Seq. ID	OJ991121_36.0121.C29
Gene No.	27431	Strand	+
Start	7679	End	22991
Name	OJ991121_36.0121.C29.o2.np	Method	AAT/NAP
Start	7679	End	22991
GI	2642154	Score	197
Exons	7679..7795, 12233..12410, 12533..12791, 22939..22991		
GI Descrip.	(AC003000) unknown protein [Arabidopsis thaliana] gi|3790595 (AF079186) RING-H2 finger protein RHC2a [Arabidopsis thaliana]		
Seq. No.	12994	Seq. ID	OJ991121_36.0121.C29
Gene No.	27431	Strand	+
Start	7679	End	22991
Name	OJ991121_36.0121.C29.o1.gp	Method	AAT/GAP
Start	8367	End	8454
GI	3760640	Score	96
Exons	8367..8454		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		
Seq. No.	12994	Seq. ID	OJ991121_36.0121.C29

Gene No.	27431	Strand	+
Start	7679	End	22991
Name	OJ991121_36.0121.C29.o4.gs	Method	GENSCAN
Start	21061	End	22005
GI	none	Score	.76
Exons	21061..22005		

Seq. No.	12994	Seq. ID	OJ991121_36.0121.C29
Gene No.	27431	Strand	+
Start	7679	End	22991
Name	OJ991121_36.0121.C29.o4.np	Method	AAT/NAP
Start	21244	End	22005
GI	99966	Score	239
Exons	21244..22005		
GI Descrip.	lectin - winged pea		

Seq. No.	12994	Seq. ID	OJ991121_36.0121.C29
Gene No.	27432	Strand	-
Start	1	End	2124
Name	OJ991121_36.0121.C29.o1.np	Method	AAT/NAP
Start	1	End	2124
GI	6665553	Score	69
Exons	1..41, 1844..2124		
GI Descrip.	(AC013289) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	12994	Seq. ID	OJ991121_36.0121.C29
Gene No.	27433	Strand	-
Start	3448	End	13205
Name	OJ991121_36.0121.C29.o2.gs	Method	GENSCAN
Start	3448	End	13205
GI	none	Score	.59
Exons	3448..3531, 4043..4192, 4302..4457, 5179..6100, 6270..6320, 6493..6690, 7446..8101, 8824..8973, 9084..9239, 10081..11202, 11374..11493, 12173..12739, 13098..13205		

Seq. No.	12994	Seq. ID	OJ991121_36.0121.C29
Gene No.	27433	Strand	-
Start	3448	End	13205
Name	OJ991121_36.0121.C29.o2.gp	Method	AAT/GAP
Start	10621	End	11447
GI	uC-osf1M202096h01b1	Score	853
Exons	10621..11002, 11152..11202, 11374..11447		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	12994	Seq. ID	OJ991121_36.0121.C29
Gene No.	27434	Strand	-
Start	14460	End	20333
Name	OJ991121_36.0121.C29.o3.gp	Method	AAT/GAP
Start	14148	End	14611
GI	2428843	Score	839
Exons	14148..14611		

Seq. No.	12994	Seq. ID	OJ991121_36.0121.C29
Gene No.	27434	Strand	-
Start	14460	End	20333
Name	OJ991121_36.0121.C29.o3.gs	Method	GENSCAN

Start	14460	End	20333
GI	none	Score	.78
Exons	14460..14633, 14735..14833, 15616..15997, 16161..16502, 16927..17014, 18219..18448, 18979..19052, 19215..19278, 19521..19651, 20313..20333		

Seq. No.	12994	Seq. ID	OJ991121_36.0121.C29
Gene No.	27434	Strand	-
Start	14460	End	20333
Name	OJ991121_36.0121.C29.o3.np	Method	AAT/NAP
Start	16205	End	16483
GI	3834319	Score	99
Exons	16205..16483		
GI Descrip.	(AC005679) Similar to gi|2244754 heat shock transcription factor HSF30 homolog from Arabidopsis thaliana chromosome 4 contig gb|Z97335. [Arabidopsis thaliana]		

Seq. No.	12994	Seq. ID	OJ991121_36.0121.C29
Gene No.	27435	Strand	-
Start	23069	End	25031
Name	OJ991121_36.0121.C29.o1.ts	Method	TBLASTX:Soybean
Start	7901	End	12793
GI	none	Score	48
Exons	7901..7930, 7982..8080, 12403..12447, 12512..12601, 12521..12613, 12601..12792, 12602..12793		

Seq. No.	12994	Seq. ID	OJ991121_36.0121.C29
Gene No.	27435	Strand	-
Start	23069	End	25031
Name	OJ991121_36.0121.C29.o1.tm	Method	TBLASTX:Maize
Start	21624	End	21852
GI	none	Score	225
Exons	21624..21842, 21625..21852		

Seq. No.	12994	Seq. ID	OJ991121_36.0121.C29
Gene No.	27435	Strand	-
Start	23069	End	25031
Name	OJ991121_36.0121.C29.o5.gs	Method	GENSCAN
Start	23069	End	25031
GI	none	Score	.66
Exons	23069..23151, 24171..24212, 24804..25031		

Seq. No.	12995	Seq. ID	OJ991121_36.0121.C30
Gene No.	27436	Strand	-
Start	4142	End	5395
Name	OJ991121_36.0121.C30.o1.np	Method	AAT/NAP
Start	4142	End	5395
GI	1351856	Score	42
Exons	4142..4220, 5364..5395		
GI Descrip.	ACONITATE HYDRATASE, CYTOPLASMIC (CITRATE HYDRO-LYASE) (ACONITASE) gi|868003|dbj|BAA06108| (D29629) aconitase [Cucurbita sp.]		

Seq. No.	12996	Seq. ID	OJ991121_36.0121.C31
Gene No.	27437	Strand	+
Start	279	End	4055
Name	OJ991121_36.0121.C31.o1.gs	Method	GENSCAN

Start	279	End	4055
GI	none	Score	.45
Exons	279..669, 3412..4055		

Seq. No.	12996	Seq. ID	OJ991121_36.0121.C31
Gene No.	27438	Strand	-
Start	1726	End	2295
Name	OJ991121_36.0121.C31.o1.np	Method	AAT/NAP
Start	1726	End	2295
GI	5922628	Score	288
Exons	1726..2026, 2238..2295		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016861|dbj|BAA85204.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	12996	Seq. ID	OJ991121_36.0121.C31
Gene No.	27439	Strand	-
Start	5173	End	5302
Name	OJ991121_36.0121.C31.o2.np	Method	AAT/NAP
Start	5173	End	5302
GI	5091610	Score	180
Exons	5173..5302		
GI Descrip.	(AC007858) 10A19I.15 [Oryza sativa]		

Seq. No.	12997	Seq. ID	OJ991121_36.0121.C32
Gene No.	27440	Strand	-
Start	1	End	1448
Name	OJ991121_36.0121.C32.o1.np	Method	AAT/NAP
Start	1	End	348
GI	5091610	Score	343
Exons	1..348		
GI Descrip.	(AC007858) 10A19I.15 [Oryza sativa]		

Seq. No.	12997	Seq. ID	OJ991121_36.0121.C32
Gene No.	27440	Strand	-
Start	1	End	1448
Name	OJ991121_36.0121.C32.o1.gs	Method	GENSCAN
Start	22	End	1417
GI	none	Score	.5
Exons	22..269, 989..1343, 1397..1417		

Seq. No.	12997	Seq. ID	OJ991121_36.0121.C32
Gene No.	27440	Strand	-
Start	1	End	1448
Name	OJ991121_36.0121.C32.o2.tm	Method	TBLASTX:Maize
Start	22	End	327
GI	none	Score	255
Exons	22..327, 38..319, 52..327		

Seq. No.	12997	Seq. ID	OJ991121_36.0121.C32
Gene No.	27440	Strand	-
Start	1	End	1448
Name	OJ991121_36.0121.C32.o1.tm	Method	TBLASTX:Maize
Start	1011	End	1448
GI	none	Score	169
Exons	1011..1193, 1011..1199, 1012..1194, 1191..1340, 1195..1314, 1195..1371, 1196..1339, 1393..1446, 1393..1446, 1395..1448		

Seq. No.	12997	Seq. ID	OJ991121_36.0121.C32
Gene No.	27440	Strand	-
Start	1	End	1448
Name	OJ991121_36.0121.C32.o1.ts	Method	TBLASTX:Soybean
Start	1035	End	1331
GI	none	Score	192
Exons	1035..1097, 1113..1331		

Seq. No.	12997	Seq. ID	OJ991121_36.0121.C32
Gene No.	27440	Strand	-
Start	1	End	1448
Name	OJ991121_36.0121.C32.o1.gp	Method	AAT/GAP
Start	1148	End	1448
GI	uC-osflcyp143f05b1	Score	357
Exons	1148..1312, 1397..1448		
GI Descrip.	'4585884/gb|AAD25557.1|AC005850_14 2.0e-24 (AC005850) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	12997	Seq. ID	OJ991121_36.0121.C32
Gene No.	27440	Strand	-
Start	1	End	1448
Name	OJ991121_36.0121.C32.o2.gp	Method	AAT/GAP
Start	1185	End	1448
GI	uC-osflcyp143f05b1	Score	300
Exons	1185..1312, 1397..1448		
GI Descrip.	'4585884/gb|AAD25557.1|AC005850_14 2.0e-24 (AC005850) Hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	12998	Seq. ID	OJ991121_36.0121.C33
Gene No.	27441	Strand	+
Start	1	End	207
Name	OJ991121_36.0121.C33.o1.np	Method	AAT/NAP
Start	1	End	207
GI	5734621	Score	119
Exons	1..207		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	12998	Seq. ID	OJ991121_36.0121.C33
Gene No.	27442	Strand	+
Start	197	End	10359
Name	OJ991121_36.0121.C33.o1.gs	Method	GENSCAN
Start	197	End	10359
GI	none	Score	.6
Exons	197..363, 1754..1873, 2562..2609, 3113..3184, 3647..3793, 4327..4393, 4506..4699, 5152..5202, 5504..5555, 9436..9635, 9826..10359		

Seq. No.	12998	Seq. ID	OJ991121_36.0121.C33
Gene No.	27442	Strand	+
Start	197	End	10359
Name	OJ991121_36.0121.C33.o2.np	Method	AAT/NAP
Start	4421	End	7422
GI	5042454	Score	341
Exons	4421..4823, 7343..7422		

GI Descrip. (AC007789) putative polyprotein [Oryza sativa]

Seq. No.	12998	Seq. ID	OJ991121_36.0121.C33
Gene No.	27442	Strand	+
Start	197	End	10359
Name	OJ991121_36.0121.C33.o3.np	Method	AAT/NAP
Start	5711	End	9281
GI	6815109	Score	90
Exons	5711..6212, 9238..9281		

GI Descrip. (AP001081) hypothetical protein [Oryza sativa]

Seq. No.	12998	Seq. ID	OJ991121_36.0121.C33
Gene No.	27442	Strand	+
Start	197	End	10359
Name	OJ991121_36.0121.C33.o4.np	Method	AAT/NAP
Start	7777	End	10356
GI	2191149	Score	224
Exons	7777..7807, 9317..9572, 9621..9684, 9784..10356		

GI Descrip. (AF007269) Similar to protein kinase [Arabidopsis thaliana]

Seq. No.	12998	Seq. ID	OJ991121_36.0121.C33
Gene No.	27442	Strand	+
Start	197	End	10359
Name	OJ991121_36.0121.C33.o1.tc	Method	TBLASTX:Cress
Start	9471	End	10095
GI	none	Score	63
Exons	9471..9548, 9597..9653, 9817..10023, 9838..9951, 10042..10095		

Seq. No.	12998	Seq. ID	OJ991121_36.0121.C33
Gene No.	27442	Strand	+
Start	197	End	10359
Name	OJ991121_36.0121.C33.o1.ts	Method	TBLASTX:Soybean
Start	9802	End	10197
GI	none	Score	176
Exons	9802..10023, 10057..10128, 10132..10197		

Seq. No.	12998	Seq. ID	OJ991121_36.0121.C33
Gene No.	27442	Strand	+
Start	197	End	10359
Name	OJ991121_36.0121.C33.o1.tw	Method	TBLASTX:Wheat
Start	9805	End	10103
GI	none	Score	178
Exons	9805..9975, 9808..10023, 10059..10103, 10066..10095		

Seq. No.	12998	Seq. ID	OJ991121_36.0121.C33
Gene No.	27442	Strand	+
Start	197	End	10359
Name	OJ991121_36.0121.C33.o1.tm	Method	TBLASTX:Maize
Start	9808	End	10245
GI	none	Score	183
Exons	9808..10023, 9847..10002, 10063..10107, 10132..10245		

Seq. No.	12999	Seq. ID	OJ991121_36.0121.C34
Gene No.	27443	Strand	+
Start	1739	End	4721
Name	OJ991121_36.0121.C34.o1.gs	Method	GENSCAN
Start	1739	End	4721

GI	none	Score	.83
Exons	1739..1797, 2391..2415, 3147..3294, 3407..3475, 4422..4547, 4591..4721		

Seq. No.	12999	Seq. ID	OJ991121_36.0121.C34
Gene No.	27444	Strand	+
Start	8537	End	8726
Name	OJ991121_36.0121.C34.o3.gs	Method	GENSCAN
Start	8537	End	8726
GI	none	Score	.9
Exons	8537..8549, 8617..8726		

Seq. No.	12999	Seq. ID	OJ991121_36.0121.C34
Gene No.	27445	Strand	-
Start	4178	End	11659
Name	OJ991121_36.0121.C34.o1.np	Method	AAT/NAP
Start	4178	End	11515
GI	4455212	Score	537
Exons	4178..4252, 5871..6624, 11032..11515		
GI Descrip.	(AL035440) putative NPK1-related protein kinase [Arabidopsis thaliana]		

Seq. No.	12999	Seq. ID	OJ991121_36.0121.C34
Gene No.	27445	Strand	-
Start	4178	End	11659
Name	OJ991121_36.0121.C34.o2.gs	Method	GENSCAN
Start	5555	End	7273
GI	none	Score	.71
Exons	5555..7273		

Seq. No.	12999	Seq. ID	OJ991121_36.0121.C34
Gene No.	27445	Strand	-
Start	4178	End	11659
Name	OJ991121_36.0121.C34.o1.tc	Method	TBLASTX:Cress
Start	6332	End	11269
GI	none	Score	173
Exons	6332..6619, 6339..6620, 6659..6820, 6671..6799, 10724..11011, 10725..11012, 11045..11200, 11213..11269		

Seq. No.	12999	Seq. ID	OJ991121_36.0121.C34
Gene No.	27445	Strand	-
Start	4178	End	11659
Name	OJ991121_36.0121.C34.o1.ts	Method	TBLASTX:Soybean
Start	6332	End	11269
GI	none	Score	64
Exons	6332..6445, 6491..6568, 6584..6625, 6656..6877, 10719..10838, 10724..10837, 10832..10957, 10976..11017, 11045..11269		

Seq. No.	12999	Seq. ID	OJ991121_36.0121.C34
Gene No.	27445	Strand	-
Start	4178	End	11659
Name	OJ991121_36.0121.C34.o1.tm	Method	TBLASTX:Maize
Start	6401	End	11248
GI	none	Score	78
Exons	6401..6499, 6402..6464, 6474..6623, 6500..6625, 6620..6832, 6659..6814, 6807..6857, 6818..6856, 10793..10891, 10794..10892, 10797..10892, 10869..11015, 10878..10934, 10892..11017,		

11012..11224, 11051..11206, 11222..11248

Seq. No.	12999	Seq. ID	OJ991121_36.0121.C34
Gene No.	27445	Strand	-
Start	4178	End	11659
Name	OJ991121_36.0121.C34.o2.tw	Method	TBLASTX:Wheat
Start	6464	End	11146
GI	none	Score	72
Exons	6464..6754, 6489..6620, 10856..11146, 10896..11012		

Seq. No.	12999	Seq. ID	OJ991121_36.0121.C34
Gene No.	27445	Strand	-
Start	4178	End	11659
Name	OJ991121_36.0121.C34.o1.tw	Method	TBLASTX:Wheat
Start	6758	End	11503
GI	none	Score	88
Exons	6758..6859, 6758..6988, 6768..6911, 6968..7063, 6971..7126, 6978..7127, 11150..11281, 11160..11273, 11309..11398, 11310..11441, 11379..11501, 11387..11503		

Seq. No.	12999	Seq. ID	OJ991121_36.0121.C34
Gene No.	27445	Strand	-
Start	4178	End	11659
Name	OJ991121_36.0121.C34.o2.tm	Method	TBLASTX:Maize
Start	6857	End	11477
GI	none	Score	42
Exons	6857..6907, 6858..6893, 6899..7081, 6900..7082, 11249..11293, 11288..11398, 11307..11474, 11361..11477, 11372..11476		

Seq. No.	12999	Seq. ID	OJ991121_36.0121.C34
Gene No.	27445	Strand	-
Start	4178	End	11659
Name	OJ991121_36.0121.C34.o4.gs	Method	GENSCAN
Start	9962	End	11659
GI	none	Score	.99
Exons	9962..11659		

Seq. No.	13000	Seq. ID	OJ991121_36.0121.C35
Gene No.	27446	Strand	+
Start	3945	End	4282
Name	OJ991121_36.0121.C35.o1.gp	Method	AAT/GAP
Start	3945	End	4282
GI	5038860	Score	642
Exons	3945..4282		

Seq. No.	13000	Seq. ID	OJ991121_36.0121.C35
Gene No.	27447	Strand	+
Start	6036	End	7130
Name	OJ991121_36.0121.C35.o2.gs	Method	GENSCAN
Start	6036	End	7130
GI	none	Score	.97
Exons	6036..7130		

Seq. No.	13000	Seq. ID	OJ991121_36.0121.C35
Gene No.	27448	Strand	-
Start	475	End	4818
Name	OJ991121_36.0121.C35.o1.gs	Method	GENSCAN

Start	475	End	4818
GI	none	Score	.48
Exons	475..891, 1037..1117, 3089..3643, 3664..3803, 3927..4229, 4779..4818		

Seq. No.	13000	Seq. ID	OJ991121_36.0121.C35
Gene No.	27449	Strand	-
Start	8608	End	8940
Name	OJ991121_36.0121.C35.o3.gs	Method	GENSCAN
Start	8608	End	8940
GI	none	Score	.81
Exons	8608..8940		

Seq. No.	13000	Seq. ID	OJ991121_36.0121.C35
Gene No.	27450	Strand	-
Start	12283	End	13789
Name	OJ991121_36.0121.C35.o2.ts	Method	TBLASTX:Soybean
Start	12274	End	12942
GI	none	Score	54
Exons	12274..12534, 12350..12520, 12556..12942, 12596..12838		

Seq. No.	13000	Seq. ID	OJ991121_36.0121.C35
Gene No.	27450	Strand	-
Start	12283	End	13789
Name	OJ991121_36.0121.C35.o5.gs	Method	GENSCAN
Start	12283	End	13767
GI	none	Score	.98
Exons	12283..13767		

Seq. No.	13000	Seq. ID	OJ991121_36.0121.C35
Gene No.	27450	Strand	-
Start	12283	End	13789
Name	OJ991121_36.0121.C35.o1.np	Method	AAT/NAP
Start	12286	End	13789
GI	6630685	Score	1572
Exons	12286..13789		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	13000	Seq. ID	OJ991121_36.0121.C35
Gene No.	27450	Strand	-
Start	12283	End	13789
Name	OJ991121_36.0121.C35.o1.tc	Method	TBLASTX:Cress
Start	12304	End	12969
GI	none	Score	104
Exons	12304..12516, 12556..12669, 12781..12969		

Seq. No.	13000	Seq. ID	OJ991121_36.0121.C35
Gene No.	27450	Strand	-
Start	12283	End	13789
Name	OJ991121_36.0121.C35.o1.tm	Method	TBLASTX:Maize
Start	12304	End	12960
GI	none	Score	152
Exons	12304..12960, 12319..12831, 12575..12952		

Seq. No.	13000	Seq. ID	OJ991121_36.0121.C35
Gene No.	27450	Strand	-

Start	12283	End	13789
Name	OJ991121_36.0121.C35.o3.tw	Method	TBLASTX:Wheat
Start	12349	End	12669
GI	none	Score	68
Exons	12349..12540, 12349..12525, 12571..12669		

Seq. No.	13000	Seq. ID	OJ991121_36.0121.C35
Gene No.	27450	Strand	-
Start	12283	End	13789
Name	OJ991121_36.0121.C35.o2.tw	Method	TBLASTX:Wheat
Start	12706	End	13137
GI	none	Score	102
Exons	12706..12963, 12988..13137		

Seq. No.	13000	Seq. ID	OJ991121_36.0121.C35
Gene No.	27450	Strand	-
Start	12283	End	13789
Name	OJ991121_36.0121.C35.o3.ts	Method	TBLASTX:Soybean
Start	12943	End	13176
GI	none	Score	182
Exons	12943..13176		

Seq. No.	13000	Seq. ID	OJ991121_36.0121.C35
Gene No.	27450	Strand	-
Start	12283	End	13789
Name	OJ991121_36.0121.C35.o2.tm	Method	TBLASTX:Maize
Start	13209	End	13651
GI	none	Score	124
Exons	13209..13502, 13213..13650, 13273..13623, 13277..13651		

Seq. No.	13000	Seq. ID	OJ991121_36.0121.C35
Gene No.	27450	Strand	-
Start	12283	End	13789
Name	OJ991121_36.0121.C35.o1.ts	Method	TBLASTX:Soybean
Start	13313	End	13788
GI	5509260	Score	353
Exons	13313..13777, 13318..13788, 13540..13788		
GI Descrip.	-		

Seq. No.	13000	Seq. ID	OJ991121_36.0121.C35
Gene No.	27450	Strand	-
Start	12283	End	13789
Name	OJ991121_36.0121.C35.o1.tw	Method	TBLASTX:Wheat
Start	13326	End	13779
GI	none	Score	261
Exons	13326..13499, 13327..13674, 13337..13666, 13675..13704, 13708..13779, 13714..13779		

Seq. No.	13000	Seq. ID	OJ991121_36.0121.C35
Gene No.	27450	Strand	-
Start	12283	End	13789
Name	OJ991121_36.0121.C35.o2.tc	Method	TBLASTX:Cress
Start	13432	End	13704
GI	none	Score	94
Exons	13432..13704, 13433..13690		

Seq. No.	13001	Seq. ID	OJ991121_36.0121.C36

Gene No.	27451	Strand	-
Start	1	End	825
Name	OJ991121_36.0121.C36.o1.np	Method	AAT/NAP
Start	1	End	825
GI	3777527	Score	566
Exons	1..825		
GI Descrip.	(AF053008) gag-pol polyprotein [Glycine max]		

Seq. No.	13001	Seq. ID	OJ991121_36.0121.C36
Gene No.	27451	Strand	-
Start	1	End	825
Name	OJ991121_36.0121.C36.o1.gs	Method	GENSCAN
Start	17	End	587
GI	none	Score	.46
Exons	17..587		

Seq. No.	13001	Seq. ID	OJ991121_36.0121.C36
Gene No.	27451	Strand	-
Start	1	End	825
Name	OJ991121_36.0121.C36.o1.tm	Method	TBLASTX:Maize
Start	21	End	656
GI	none	Score	249
Exons	21..173, 168..590, 169..504, 285..551, 589..651, 591..656		

Seq. No.	13001	Seq. ID	OJ991121_36.0121.C36
Gene No.	27451	Strand	-
Start	1	End	825
Name	OJ991121_36.0121.C36.o1.ts	Method	TBLASTX:Soybean
Start	21	End	482
GI	none	Score	130
Exons	21..149, 171..482, 178..462		

Seq. No.	13001	Seq. ID	OJ991121_36.0121.C36
Gene No.	27451	Strand	-
Start	1	End	825
Name	OJ991121_36.0121.C36.o1.tc	Method	TBLASTX:Cress
Start	22	End	464
GI	none	Score	75
Exons	22..159, 27..158, 174..464, 306..401, 379..456		

Seq. No.	13001	Seq. ID	OJ991121_36.0121.C36
Gene No.	27451	Strand	-
Start	1	End	825
Name	OJ991121_36.0121.C36.o1.tw	Method	TBLASTX:Wheat
Start	87	End	698
GI	none	Score	235
Exons	87..170, 165..245, 273..698		

Seq. No.	13002	Seq. ID	OJ991121_36.0121.C37
Gene No.	27452	Strand	+
Start	1230	End	6799
Name	OJ991121_36.0121.C37.o1.gs	Method	GENSCAN
Start	1230	End	6767
GI	none	Score	.55
Exons	1230..1271, 3834..4059, 4699..4909, 4979..5107, 5222..5393, 5532..6345, 6379..6767		

Seq. No.	13002	Seq. ID	OJ991121_36.0121.C37
Gene No.	27452	Strand	+
Start	1230	End	6799
Name	OJ991121_36.0121.C37.o1.np	Method	AAT/NAP
Start	3935	End	6799
GI	4680203	Score	1600
Exons	3935..5176, 5334..5563, 5840..6799		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	13002	Seq. ID	OJ991121_36.0121.C37
Gene No.	27453	Strand	+
Start	9186	End	26058
Name	OJ991121_36.0121.C37.o3.np	Method	AAT/NAP
Start	9186	End	26058
GI	4680203	Score	437
Exons	9186..9213, 11666..11747, 16803..17446, 23396..23437, 26022..26058		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	13002	Seq. ID	OJ991121_36.0121.C37
Gene No.	27453	Strand	+
Start	9186	End	26058
Name	OJ991121_36.0121.C37.o3.gs	Method	GENSCAN
Start	12011	End	17596
GI	none	Score	.71
Exons	12011..12403, 12564..13441, 13741..13911, 14101..14290, 16045..16236, 17441..17596		

Seq. No.	13002	Seq. ID	OJ991121_36.0121.C37
Gene No.	27453	Strand	+
Start	9186	End	26058
Name	OJ991121_36.0121.C37.o2.gp	Method	AAT/GAP
Start	15889	End	16337
GI	701489	Score	841
Exons	15889..16337		

Seq. No.	13002	Seq. ID	OJ991121_36.0121.C37
Gene No.	27454	Strand	-
Start	2668	End	7990
Name	OJ991121_36.0121.C37.o2.np	Method	AAT/NAP
Start	2668	End	7751
GI	4680204	Score	45
Exons	2668..2689, 7168..7366, 7549..7751		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	13002	Seq. ID	OJ991121_36.0121.C37
Gene No.	27454	Strand	-
Start	2668	End	7990
Name	OJ991121_36.0121.C37.o2.gs	Method	GENSCAN
Start	7221	End	7990
GI	none	Score	.81
Exons	7221..7596, 7860..7990		

Seq. No.	13002	Seq. ID	OJ991121_36.0121.C37
Gene No.	27455	Strand	-
Start	18606	End	25704
Name	OJ991121_36.0121.C37.o5.tw	Method	TBLASTX:Wheat

Start	4154	End	17448
GI	none	Score	117
Exons	4154..4288, 4168..4299, 17169..17243, 17272..17448, 17281..17448		

Seq. No.	13002	Seq. ID	OJ991121_36.0121.C37
Gene No.	27455	Strand	-
Start	18606	End	25704
Name	OJ991121_36.0121.C37.o2.tc	Method	TBLASTX:Cress
Start	4327	End	4682
GI	none	Score	134
Exons	4327..4380, 4342..4530, 4371..4487, 4520..4639, 4521..4682		

Seq. No.	13002	Seq. ID	OJ991121_36.0121.C37
Gene No.	27455	Strand	-
Start	18606	End	25704
Name	OJ991121_36.0121.C37.o2.tw	Method	TBLASTX:Wheat
Start	4471	End	4925
GI	none	Score	61
Exons	4471..4527, 4479..4547, 4500..4628, 4552..4617, 4629..4745, 4629..4730, 4776..4925		

Seq. No.	13002	Seq. ID	OJ991121_36.0121.C37
Gene No.	27455	Strand	-
Start	18606	End	25704
Name	OJ991121_36.0121.C37.o2.tm	Method	TBLASTX:Maize
Start	4527	End	4967
GI	none	Score	210
Exons	4527..4772, 4535..4768, 4776..4967		

Seq. No.	13002	Seq. ID	OJ991121_36.0121.C37
Gene No.	27455	Strand	-
Start	18606	End	25704
Name	OJ991121_36.0121.C37.o3.ts	Method	TBLASTX:Soybean
Start	4800	End	5039
GI	none	Score	190
Exons	4800..5039		

Seq. No.	13002	Seq. ID	OJ991121_36.0121.C37
Gene No.	27455	Strand	-
Start	18606	End	25704
Name	OJ991121_36.0121.C37.o4.tw	Method	TBLASTX:Wheat
Start	5106	End	5479
GI	none	Score	144
Exons	5106..5198, 5107..5238, 5360..5479		

Seq. No.	13002	Seq. ID	OJ991121_36.0121.C37
Gene No.	27455	Strand	-
Start	18606	End	25704
Name	OJ991121_36.0121.C37.o5.tm	Method	TBLASTX:Maize
Start	5122	End	5319
GI	none	Score	187
Exons	5122..5286, 5134..5319		

Seq. No.	13002	Seq. ID	OJ991121_36.0121.C37
Gene No.	27455	Strand	-
Start	18606	End	25704
Name	OJ991121_36.0121.C37.o1.tm	Method	TBLASTX:Maize

Start	5423	End	5810
GI	none	Score	57
Exons	5423..5473, 5501..5800, 5502..5810, 5595..5810		

Seq. No.	13002	Seq. ID	OJ991121_36.0121.C37
Gene No.	27455	Strand	-
Start	18606	End	25704
Name	OJ991121_36.0121.C37.o1.tw	Method	TBLASTX:Wheat
Start	5502	End	6572
GI	none	Score	421
Exons	5502..5912, 5505..5633, 5507..5911, 5915..5980, 5916..6164, 6204..6350, 6206..6349, 6354..6404, 6368..6403, 6404..6454, 6411..6455, 6468..6572, 6473..6571		

Seq. No.	13002	Seq. ID	OJ991121_36.0121.C37
Gene No.	27455	Strand	-
Start	18606	End	25704
Name	OJ991121_36.0121.C37.o1.tc	Method	TBLASTX:Cress
Start	5741	End	6164
GI	none	Score	162
Exons	5741..5911, 5745..5912, 5915..5980, 5916..6164		

Seq. No.	13002	Seq. ID	OJ991121_36.0121.C37
Gene No.	27455	Strand	-
Start	18606	End	25704
Name	OJ991121_36.0121.C37.o3.tw	Method	TBLASTX:Wheat
Start	11873	End	12274
GI	none	Score	157
Exons	11873..12016, 11877..12101, 12012..12080, 12181..12270, 12182..12274		

Seq. No.	13002	Seq. ID	OJ991121_36.0121.C37
Gene No.	27455	Strand	-
Start	18606	End	25704
Name	OJ991121_36.0121.C37.o4.gs	Method	GENSCAN
Start	18606	End	25704
GI	none	Score	.74
Exons	18606..18783, 20094..20154, 20734..23827, 23842..24537, 24822..24933, 24954..25245, 25674..25704		

Seq. No.	13002	Seq. ID	OJ991121_36.0121.C37
Gene No.	27455	Strand	-
Start	18606	End	25704
Name	OJ991121_36.0121.C37.o4.np	Method	AAT/NAP
Start	22124	End	24453
GI	2852684	Score	660
Exons	22124..24453		
GI Descrip.	(AF017751) resistance protein candidate [Lactuca sativa]		

Seq. No.	13002	Seq. ID	OJ991121_36.0121.C37
Gene No.	27455	Strand	-
Start	18606	End	25704
Name	OJ991121_36.0121.C37.o1.ts	Method	TBLASTX:Soybean
Start	22496	End	23390
GI	none	Score	73
Exons	22496..22624, 22895..22999, 23114..23272, 23118..23270, 23286..23390, 23291..23389		

Seq. No.	13002	Seq. ID	OJ991121_36.0121.C37
Gene No.	27455	Strand	-
Start	18606	End	25704
Name	OJ991121_36.0121.C37.o3.tm	Method	TBLASTX:Maize
Start	23039	End	23561
GI	none	Score	97
Exons	23039..23272, 23040..23249, 23286..23411, 23291..23389, 23504..23560, 23505..23561		

Seq. No.	13002	Seq. ID	OJ991121_36.0121.C37
Gene No.	27455	Strand	-
Start	18606	End	25704
Name	OJ991121_36.0121.C37.o2.ts	Method	TBLASTX:Soybean
Start	23495	End	23849
GI	none	Score	91
Exons	23495..23695, 23496..23654, 23645..23788, 23715..23849, 23776..23847, 23783..23848		

Seq. No.	13002	Seq. ID	OJ991121_36.0121.C37
Gene No.	27455	Strand	-
Start	18606	End	25704
Name	OJ991121_36.0121.C37.o4.tm	Method	TBLASTX:Maize
Start	23708	End	23997
GI	none	Score	121
Exons	23708..23872, 23745..23873, 23911..23997		

Seq. No.	13003	Seq. ID	OJ991121_36.0121.C39
Gene No.	27456	Strand	-
Start	414	End	472
Name	OJ991121_36.0121.C39.o1.gs	Method	GENSCAN
Start	414	End	472
GI	none	Score	1
Exons	414..472		

Seq. No.	13004	Seq. ID	OJ991121_36.0121.C40
Gene No.	27457	Strand	-
Start	109	End	1038
Name	OJ991121_36.0121.C40.o1.ts	Method	TBLASTX:Soybean
Start	98	End	1022
GI	none	Score	58
Exons	98..193, 109..195, 205..294, 221..301, 287..403, 301..366, 385..423, 811..1011, 811..1020, 812..1021, 816..1022		

Seq. No.	13004	Seq. ID	OJ991121_36.0121.C40
Gene No.	27457	Strand	-
Start	109	End	1038
Name	OJ991121_36.0121.C40.o1.gs	Method	GENSCAN
Start	109	End	916
GI	none	Score	.49
Exons	109..681, 811..916		

Seq. No.	13004	Seq. ID	OJ991121_36.0121.C40
Gene No.	27457	Strand	-
Start	109	End	1038
Name	OJ991121_36.0121.C40.o1.np	Method	AAT/NAP
Start	112	End	1022

GI	2062176	Score	395
Exons	112..634, 809..1022		
GI Descrip.	(AC001645) Myb-related transcription activator (MybSt1) isolog [Arabidopsis thaliana]		

Seq. No.	13004	Seq. ID	OJ991121_36.0121.C40
Gene No.	27457	Strand	-
Start	109	End	1038
Name	OJ991121_36.0121.C40.o1.tc	Method	TBLASTX:Cress
Start	145	End	1021
GI	none	Score	69
Exons	145..294, 167..304, 301..348, 385..447, 808..948, 809..946, 820..951, 952..1020, 953..1021		

Seq. No.	13004	Seq. ID	OJ991121_36.0121.C40
Gene No.	27457	Strand	-
Start	109	End	1038
Name	OJ991121_36.0121.C40.o1.tm	Method	TBLASTX:Maize
Start	166	End	1038
GI	none	Score	250
Exons	166..192, 229..294, 301..348, 814..1020, 815..1021, 820..1038, 822..1028		

Seq. No.	13004	Seq. ID	OJ991121_36.0121.C40
Gene No.	27457	Strand	-
Start	109	End	1038
Name	OJ991121_36.0121.C40.o1.tw	Method	TBLASTX:Wheat
Start	814	End	1021
GI	none	Score	135
Exons	814..1020, 820..1011, 821..1021		

Seq. No.	13005	Seq. ID	OJ991121_36.0121.C41
Gene No.	27458	Strand	+
Start	198	End	370
Name	OJ991121_36.0121.C41.o1.gs	Method	GENSCAN
Start	198	End	370
GI	none	Score	.46
Exons	198..370		

Seq. No.	13006	Seq. ID	OJ991121_36.0121.C42
Gene No.	27459	Strand	-
Start	15	End	119
Name	OJ991121_36.0121.C42.o1.gs	Method	GENSCAN
Start	15	End	119
GI	none	Score	.64
Exons	15..119		

Seq. No.	13007	Seq. ID	OJ991201_20.0118.C1
Gene No.	27460	Strand	+
Start	124	End	227
Name	OJ991201_20.0118.C1.o1.gs	Method	GENSCAN
Start	124	End	227
GI	none	Score	.77
Exons	124..227		

Seq. No.	13007	Seq. ID	OJ991201_20.0118.C1
Gene No.	27461	Strand	+

Start	280	End	465
Name	OJ991201_20.0118.C1.o1.np	Method	AAT/NAP
Start	280	End	465
GI	2586082	Score	249
Exons	280..465		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	13008	Seq. ID	OJ991201_20.0118.C2
Gene No.	27462	Strand	-
Start	1	End	928
Name	OJ991201_20.0118.C2.o1.np	Method	AAT/NAP
Start	1	End	928
GI	5091513	Score	1271
Exons	1..928		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	13008	Seq. ID	OJ991201_20.0118.C2
Gene No.	27462	Strand	-
Start	1	End	928
Name	OJ991201_20.0118.C2.o1.gs	Method	GENSCAN
Start	291	End	899
GI	none	Score	.82
Exons	291..743, 834..899		

Seq. No.	13009	Seq. ID	OJ991201_20.0118.C3
Gene No.	27463	Strand	-
Start	1	End	745
Name	OJ991201_20.0118.C3.o1.np	Method	AAT/NAP
Start	1	End	745
GI	6006359	Score	58
Exons	1..55, 648..745		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	13010	Seq. ID	OJ991201_20.0118.C4
Gene No.	27464	Strand	+
Start	1	End	833
Name	OJ991201_20.0118.C4.o1.np	Method	AAT/NAP
Start	1	End	833
GI	4063770	Score	548
Exons	1..833		
GI Descrip.	(AB004906) transposase [Ipomoea purpurea]		

Seq. No.	13010	Seq. ID	OJ991201_20.0118.C4
Gene No.	27464	Strand	+
Start	1	End	833
Name	OJ991201_20.0118.C4.o2.tm	Method	TBLASTX:Maize
Start	223	End	422
GI	none	Score	178
Exons	223..405, 225..422		

Seq. No.	13010	Seq. ID	OJ991201_20.0118.C4
Gene No.	27464	Strand	+
Start	1	End	833
Name	OJ991201_20.0118.C4.o1.tm	Method	TBLASTX:Maize
Start	438	End	819
GI	none	Score	254
Exons	438..590, 442..723, 613..723, 727..819, 748..819		

Seq. No.	13011	Seq. ID	OJ991201_20.0118.C5
Gene No.	27465	Strand	+
Start	1	End	5744
Name	OJ991201_20.0118.C5.o1.np	Method	AAT/NAP
Start	1	End	2817
GI	6587849	Score	455
Exons	1..1038, 1168..1236, 2792..2817		
GI Descrip.	(AC006551) Very similar to retrotransposon reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	13011	Seq. ID	OJ991201_20.0118.C5
Gene No.	27465	Strand	+
Start	1	End	5744
Name	OJ991201_20.0118.C5.o1.gs	Method	GENSCAN
Start	96	End	5744
GI	none	Score	.67
Exons	96..707, 1224..1302, 1479..1597, 2128..2319, 2339..2843, 3601..3653, 4332..4382, 5181..5342, 5442..5744		

Seq. No.	13011	Seq. ID	OJ991201_20.0118.C5
Gene No.	27465	Strand	+
Start	1	End	5744
Name	OJ991201_20.0118.C5.o1.gp	Method	AAT/GAP
Start	2237	End	2626
GI	4880249	Score	643
Exons	2237..2626		

Seq. No.	13011	Seq. ID	OJ991201_20.0118.C5
Gene No.	27465	Strand	+
Start	1	End	5744
Name	OJ991201_20.0118.C5.o3.np	Method	AAT/NAP
Start	2529	End	5675
GI	2459442	Score	458
Exons	2529..2843, 3601..3653, 4268..4399, 5181..5342, 5442..5675		
GI Descrip.	(AC002332) AT-hook DNA-binding protein (AHP1) [Arabidopsis thaliana]		

Seq. No.	13011	Seq. ID	OJ991201_20.0118.C5
Gene No.	27466	Strand	+
Start	6395	End	7064
Name	OJ991201_20.0118.C5.o2.gs	Method	GENSCAN
Start	6395	End	7064
GI	none	Score	.89
Exons	6395..6407, 6922..7064		

Seq. No.	13011	Seq. ID	OJ991201_20.0118.C5
Gene No.	27467	Strand	-
Start	5756	End	6119
Name	OJ991201_20.0118.C5.o2.gp	Method	AAT/GAP
Start	5756	End	6119
GI	46921_1.R1084	Score	701
Exons	5756..6119		
GI Descrip.	'3834314 8.0e-36 (AC005679) Similar to gene pi010 glycosyltransferase gi_2257490 from S. pombe clone 1750 gb_AB004534. ESTs gb_T46079 and gb_AA394466 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	13011	Seq. ID	OJ991201_20.0118.C5
Gene No.	27468	Strand	-
Start	7728	End	8194
Name	OJ991201_20.0118.C5.o3.gs	Method	GENSCAN
Start	7728	End	8096
GI	none	Score	.97
Exons	7728..8096		

Seq. No.	13011	Seq. ID	OJ991201_20.0118.C5
Gene No.	27468	Strand	-
Start	7728	End	8194
Name	OJ991201_20.0118.C5.o4.np	Method	AAT/NAP
Start	7796	End	8096
GI	1592681	Score	168
Exons	7796..8096		
GI Descrip.	(X91917) LEA D113 homologue type2 [Arabidopsis thaliana] gi|3668076|gb|AAC61808.1| (AC004667) similar to late embryogenesis abundant proteins [Arabidopsis thaliana]		

Seq. No.	13011	Seq. ID	OJ991201_20.0118.C5
Gene No.	27468	Strand	-
Start	7728	End	8194
Name	OJ991201_20.0118.C5.o3.gp	Method	AAT/GAP
Start	7871	End	8194
GI	1632139	Score	604
Exons	7871..8194		

Seq. No.	13011	Seq. ID	OJ991201_20.0118.C5
Gene No.	27469	Strand	-
Start	9636	End	9828
Name	OJ991201_20.0118.C5.o2.tm	Method	TBLASTX:Maize
Start	44	End	344
GI	none	Score	261
Exons	44..340, 45..344		

Seq. No.	13011	Seq. ID	OJ991201_20.0118.C5
Gene No.	27469	Strand	-
Start	9636	End	9828
Name	OJ991201_20.0118.C5.o1.tw	Method	TBLASTX:Wheat
Start	51	End	401
GI	none	Score	56
Exons	51..98, 95..400, 99..401		

Seq. No.	13011	Seq. ID	OJ991201_20.0118.C5
Gene No.	27469	Strand	-
Start	9636	End	9828
Name	OJ991201_20.0118.C5.o1.ts	Method	TBLASTX:Soybean
Start	93	End	506
GI	none	Score	172
Exons	93..401, 429..506		

Seq. No.	13011	Seq. ID	OJ991201_20.0118.C5
Gene No.	27469	Strand	-
Start	9636	End	9828
Name	OJ991201_20.0118.C5.o2.tw	Method	TBLASTX:Wheat
Start	765	End	1157

GI	none	Score	329
Exons	765..1157, 797..1129		

Seq. No.	13011	Seq. ID	OJ991201_20.0118.C5
Gene No.	27469	Strand	-
Start	9636	End	9828
Name	OJ991201_20.0118.C5.o4.tm	Method	TBLASTX:Maize
Start	4247	End	4401
GI	none	Score	192
Exons	4247..4399, 4267..4401, 4267..4392		

Seq. No.	13011	Seq. ID	OJ991201_20.0118.C5
Gene No.	27469	Strand	-
Start	9636	End	9828
Name	OJ991201_20.0118.C5.o1.tc	Method	TBLASTX:Cress
Start	4265	End	5519
GI	none	Score	107
Exons	4265..4378, 4267..4365, 5178..5345, 5180..5344, 5418..5519, 5438..5476		

Seq. No.	13011	Seq. ID	OJ991201_20.0118.C5
Gene No.	27469	Strand	-
Start	9636	End	9828
Name	OJ991201_20.0118.C5.o2.ts	Method	TBLASTX:Soybean
Start	4301	End	5372
GI	none	Score	100
Exons	4301..4399, 4303..4398, 4315..4401, 5178..5372, 5180..5344		

Seq. No.	13011	Seq. ID	OJ991201_20.0118.C5
Gene No.	27469	Strand	-
Start	9636	End	9828
Name	OJ991201_20.0118.C5.o1.tm	Method	TBLASTX:Maize
Start	5181	End	5662
GI	none	Score	256
Exons	5181..5345, 5186..5344, 5418..5525, 5438..5488, 5561..5662		

Seq. No.	13011	Seq. ID	OJ991201_20.0118.C5
Gene No.	27469	Strand	-
Start	9636	End	9828
Name	OJ991201_20.0118.C5.o3.tm	Method	TBLASTX:Maize
Start	7806	End	8106
GI	none	Score	49
Exons	7806..8105, 7852..7884, 7969..8106		

Seq. No.	13011	Seq. ID	OJ991201_20.0118.C5
Gene No.	27469	Strand	-
Start	9636	End	9828
Name	OJ991201_20.0118.C5.o4.gs	Method	GENSCAN
Start	9636	End	9803
GI	none	Score	1
Exons	9636..9803		

Seq. No.	13011	Seq. ID	OJ991201_20.0118.C5
Gene No.	27469	Strand	-
Start	9636	End	9828
Name	OJ991201_20.0118.C5.o5.np	Method	AAT/NAP
Start	9645	End	9828

GI	4886282	Score	102
Exons	9645..9828		
GI Descrip.	(AL050300) putative protein [Arabidopsis thaliana]		

Seq. No.	13012	Seq. ID	OJ991201_20.0118.C6
Gene No.	27470	Strand	-
Start	1	End	601
Name	OJ991201_20.0118.C6.o1.np	Method	AAT/NAP
Start	1	End	601
GI	4510376	Score	222
Exons	1..91, 360..601		
GI Descrip.	(AC007017) unknown protein [Arabidopsis thaliana]		

Seq. No.	13012	Seq. ID	OJ991201_20.0118.C6
Gene No.	27471	Strand	-
Start	3036	End	6802
Name	OJ991201_20.0118.C6.o1.tw	Method	TBLASTX:Wheat
Start	380	End	584
GI	none	Score	104
Exons	380..481, 479..583, 480..584		

Seq. No.	13012	Seq. ID	OJ991201_20.0118.C6
Gene No.	27471	Strand	-
Start	3036	End	6802
Name	OJ991201_20.0118.C6.o3.ts	Method	TBLASTX:Soybean
Start	380	End	589
GI	none	Score	120
Exons	380..424, 425..589, 441..581		

Seq. No.	13012	Seq. ID	OJ991201_20.0118.C6
Gene No.	27471	Strand	-
Start	3036	End	6802
Name	OJ991201_20.0118.C6.o2.gs	Method	GENSCAN
Start	3036	End	6802
GI	none	Score	.8
Exons	3036..3244, 3604..3837, 4185..4374, 4453..4619, 4718..4854, 5000..5147, 5248..5353, 5434..5627, 5901..6017, 6622..6802		

Seq. No.	13012	Seq. ID	OJ991201_20.0118.C6
Gene No.	27471	Strand	-
Start	3036	End	6802
Name	OJ991201_20.0118.C6.o1.gp	Method	AAT/GAP
Start	3867	End	4495
GI	5771053	Score	1046
Exons	3867..4374, 4453..4495		
GI Descrip.	3834314 2.0e-37 (AC005679) Similar to gene pi010 glycosyltransferase gi_2257490 from S. pombe clone 1750 gb_AB004534. ESTs gb_T46079 and gb_AA394466 come from this gene. [Arabidopsis thaliana]		

Seq. No.	13012	Seq. ID	OJ991201_20.0118.C6
Gene No.	27471	Strand	-
Start	3036	End	6802
Name	OJ991201_20.0118.C6.o2.tm	Method	TBLASTX:Maize
Start	4052	End	4243
GI	none	Score	132
Exons	4052..4186, 4053..4241, 4057..4242, 4079..4243		

Seq. No.	13012	Seq. ID	OJ991201_20.0118.C6
Gene No.	27471	Strand	-
Start	3036	End	6802
Name	OJ991201_20.0118.C6.o2.np	Method	AAT/NAP
Start	4088	End	6682
GI	3834314	Score	1288
Exons	4088..4374, 4453..4619, 4712..4854, 5000..5147, 5248..5353, 5434..5627, 5901..6017, 6622..6682		
GI Descrip.	(AC005679) Similar to gene pi010 glycosyltransferase gi|2257490 from S. pombe clone 1750 gb|AB004534. ESTs gb|T46079 and gb|AA394466 come from this gene. [Arabidopsis thaliana]		

Seq. No.	13012	Seq. ID	OJ991201_20.0118.C6
Gene No.	27471	Strand	-
Start	3036	End	6802
Name	OJ991201_20.0118.C6.o2.tc	Method	TBLASTX:Cress
Start	4102	End	4362
GI	none	Score	205
Exons	4102..4362, 4121..4360, 4258..4362		

Seq. No.	13012	Seq. ID	OJ991201_20.0118.C6
Gene No.	27471	Strand	-
Start	3036	End	6802
Name	OJ991201_20.0118.C6.o2.ts	Method	TBLASTX:Soybean
Start	4148	End	4528
GI	none	Score	111
Exons	4148..4300, 4150..4299, 4300..4359, 4301..4354, 4302..4355, 4354..4377, 4355..4375, 4447..4521, 4451..4528, 4453..4527		

Seq. No.	13012	Seq. ID	OJ991201_20.0118.C6
Gene No.	27471	Strand	-
Start	3036	End	6802
Name	OJ991201_20.0118.C6.o1.tm	Method	TBLASTX:Maize
Start	4480	End	5118
GI	none	Score	192
Exons	4480..4620, 4481..4621, 4481..4621, 4710..4877, 4717..4857, 4952..5023, 4978..5118, 4978..5118		

Seq. No.	13012	Seq. ID	OJ991201_20.0118.C6
Gene No.	27471	Strand	-
Start	3036	End	6802
Name	OJ991201_20.0118.C6.o1.ts	Method	TBLASTX:Soybean
Start	4588	End	5484
GI	none	Score	75
Exons	4588..4620, 4710..4856, 4774..4860, 4999..5148, 5012..5149, 5232..5351, 5243..5356, 5243..5356, 5419..5484		

Seq. No.	13012	Seq. ID	OJ991201_20.0118.C6
Gene No.	27471	Strand	-
Start	3036	End	6802
Name	OJ991201_20.0118.C6.o1.tc	Method	TBLASTX:Cress
Start	5246	End	6039
GI	none	Score	81
Exons	5246..5356, 5247..5351, 5415..5627, 5419..5631, 5432..5617, 5432..5635, 5449..5628, 5897..6019, 5899..6039, 5899..6021		

Seq. No.	13012	Seq. ID	OJ991201_20.0118.C6
Gene No.	27471	Strand	-
Start	3036	End	6802
Name	OJ991201_20.0118.C6.o2.gp	Method	AAT/GAP
Start	5478	End	6793
GI	2310574	Score	754
Exons	5478..5627, 5901..6017, 6622..6793		
GI Descrip.	3834314 8.0e-36 (AC005679) Similar to gene pi010 glycosyltransferase gi_2257490 from S. pombe clone 1750 gb_AB004534. ESTs gb_T46079 and gb_AA394466 come from this gene. [Arabidopsis thaliana]		

Seq. No.	13013	Seq. ID	OJ991201_20.0118.C7
Gene No.	27472	Strand	+
Start	4593	End	6933
Name	OJ991201_20.0118.C7.o2.gs	Method	GENSCAN
Start	4593	End	6933
GI	none	Score	.42
Exons	4593..4658, 4809..5003, 5570..5728, 5734..6933		

Seq. No.	13013	Seq. ID	OJ991201_20.0118.C7
Gene No.	27473	Strand	-
Start	1398	End	4631
Name	OJ991201_20.0118.C7.o1.gp	Method	AAT/GAP
Start	1275	End	4631
GI	uC-osroM202023h12b1	Score	972
Exons	1275..1663, 4511..4631		
GI Descrip.	'3785989 8.0e-14 (AC005560) unknown protein [Arabidopsis thaliana]'		

Seq. No.	13013	Seq. ID	OJ991201_20.0118.C7
Gene No.	27473	Strand	-
Start	1398	End	4631
Name	OJ991201_20.0118.C7.o1.gs	Method	GENSCAN
Start	1398	End	3842
GI	none	Score	.82
Exons	1398..1567, 2923..2974, 3490..3603, 3834..3842		

Seq. No.	13013	Seq. ID	OJ991201_20.0118.C7
Gene No.	27474	Strand	-
Start	5937	End	7009
Name	OJ991201_20.0118.C7.o1.tm	Method	TBLASTX:Maize
Start	1399	End	1655
GI	none	Score	63
Exons	1399..1485, 1403..1495, 1404..1499, 1405..1497, 1515..1652, 1516..1644, 1532..1651, 1554..1655		

Seq. No.	13013	Seq. ID	OJ991201_20.0118.C7
Gene No.	27474	Strand	-
Start	5937	End	7009
Name	OJ991201_20.0118.C7.o1.np	Method	AAT/NAP
Start	5937	End	7009
GI	4584539	Score	373
Exons	5937..7009		
GI Descrip.	(AL049608) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	13014	Seq. ID	OJ991201_20.0118.C8

Gene No.	27475	Strand	+
Start	1740	End	5327
Name	OJ991201_20.0118.C8.o2.gs	Method	GENSCAN
Start	1740	End	5327
GI	none	Score	.82
Exons	1740..2313, 2519..4694, 4753..4873, 5214..5327		

Seq. No.	13014	Seq. ID	OJ991201_20.0118.C8
Gene No.	27475	Strand	+
Start	1740	End	5327
Name	OJ991201_20.0118.C8.o2.np	Method	AAT/NAP
Start	2907	End	3272
GI	6598344	Score	78
Exons	2907..2949, 3116..3272		
GI Descrip.	(AC002335) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13014	Seq. ID	OJ991201_20.0118.C8
Gene No.	27475	Strand	+
Start	1740	End	5327
Name	OJ991201_20.0118.C8.o3.np	Method	AAT/NAP
Start	3425	End	5285
GI	6006359	Score	44
Exons	3425..3482, 5214..5285		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	13014	Seq. ID	OJ991201_20.0118.C8
Gene No.	27476	Strand	-
Start	8	End	583
Name	OJ991201_20.0118.C8.o1.gs	Method	GENSCAN
Start	8	End	583
GI	none	Score	.99
Exons	8..583		

Seq. No.	13015	Seq. ID	OJ991201_20.0118.C9
Gene No.	27477	Strand	-
Start	491	End	843
Name	OJ991201_20.0118.C9.o1.gp	Method	AAT/GAP
Start	491	End	843
GI	2800006	Score	586
Exons	491..843		

Seq. No.	13015	Seq. ID	OJ991201_20.0118.C9
Gene No.	27478	Strand	-
Start	2119	End	3810
Name	OJ991201_20.0118.C9.o1.tm	Method	TBLASTX:Maize
Start	736	End	2243
GI	none	Score	119
Exons	736..780, 740..826, 741..827, 742..828, 770..838, 911..976, 915..977, 922..981, 924..980, 1067..1168, 1068..1169, 2092..2229, 2093..2218, 2094..2243, 2102..2242		

Seq. No.	13015	Seq. ID	OJ991201_20.0118.C9
Gene No.	27478	Strand	-
Start	2119	End	3810
Name	OJ991201_20.0118.C9.o1.np	Method	AAT/NAP
Start	2119	End	3810
GI	505144	Score	79

Exons	2119..2268, 2808..3353, 3390..3456, 3680..3810		
GI Descrip.	(D13951) extensin precursor [Nicotiana tabacum]		
Seq. No.	13016	Seq. ID	OJ991201_20.0118.C10
Gene No.	27479	Strand	+
Start	1051	End	3349
Name	OJ991201_20.0118.C10.o1.gs	Method	GENSCAN
Start	1051	End	3349
GI	none	Score	.45
Exons	1051..1409, 1526..1872, 2012..2078, 2940..3016, 3246..3349		
Seq. No.	13017	Seq. ID	OJ991201_20.0118.C11
Gene No.	27480	Strand	+
Start	509	End	8636
Name	OJ991201_20.0118.C11.o1.gs	Method	GENSCAN
Start	509	End	8636
GI	none	Score	.69
Exons	509..1085, 1526..1609, 1640..1963, 2054..2257, 2990..3058, 4876..4956, 5037..5888, 5986..6052, 7080..7270, 7549..8636		
Seq. No.	13017	Seq. ID	OJ991201_20.0118.C11
Gene No.	27481	Strand	+
Start	8862	End	9205
Name	OJ991201_20.0118.C11.o1.gp	Method	AAT/GAP
Start	8862	End	9205
GI	86158_1.R1084	Score	388
Exons	8862..9017, 9074..9205		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 5.0e-42 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		
Seq. No.	13017	Seq. ID	OJ991201_20.0118.C11
Gene No.	27482	Strand	+
Start	9590	End	10044
Name	OJ991201_20.0118.C11.o2.gp	Method	AAT/GAP
Start	9590	End	10044
GI	36280_1.R1084	Score	842
Exons	9590..10044		
GI Descrip.	'5295971/dbj|BAA81872.1| 1.0e-81 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		
Seq. No.	13017	Seq. ID	OJ991201_20.0118.C11
Gene No.	27483	Strand	+
Start	11738	End	12172
Name	OJ991201_20.0118.C11.o4.gp	Method	AAT/GAP
Start	11738	End	12172
GI	uC-osflM2020118f01a1	Score	780
Exons	11738..12172		
GI Descrip.	'5295971/dbj|BAA81872.1| 4.0e-64 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		
Seq. No.	13017	Seq. ID	OJ991201_20.0118.C11
Gene No.	27484	Strand	+
Start	18361	End	18775

Name	OJ991201_20.0118.C11.o7.gp	Method	AAT/GAP
Start	18361	End	18775
GI	LIB3431-060-P1-K1-C11	Score	773
Exons	18361..18775		
GI Descrip.	'2980641/emb|CAA72120| 2.0e-12 (Y11250) multi resistance protein [Arabidopsis thaliana]'		

Seq. No.	13017	Seq. ID	OJ991201_20.0118.C11
Gene No.	27485	Strand	+
Start	19424	End	20522
Name	OJ991201_20.0118.C11.o8.gp	Method	AAT/GAP
Start	19424	End	20522
GI	LIB3431-060-P1-N1-C11	Score	928
Exons	19424..19625, 20249..20522		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 1.0e-38 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	13017	Seq. ID	OJ991201_20.0118.C11
Gene No.	27486	Strand	-
Start	9213	End	21262
Name	OJ991201_20.0118.C11.o5.tc	Method	TBLASTX:Cress
Start	476	End	6954
GI	none	Score	159
Exons	476..769, 5234..5398, 5432..5548, 6661..6954, 6673..6954		

Seq. No.	13017	Seq. ID	OJ991201_20.0118.C11
Gene No.	27486	Strand	-
Start	9213	End	21262
Name	OJ991201_20.0118.C11.o2.gs	Method	GENSCAN
Start	9213	End	20971
GI	none	Score	.43
Exons	9213..11881, 11893..12582, 12844..14040, 15067..15402, 16886..17014, 17102..17341, 17470..17533, 17815..18062, 18581..18875, 20257..20343, 20630..20971		

Seq. No.	13017	Seq. ID	OJ991201_20.0118.C11
Gene No.	27486	Strand	-
Start	9213	End	21262
Name	OJ991201_20.0118.C11.o2.np	Method	AAT/NAP
Start	9216	End	14020
GI	5295971	Score	8045
Exons	9216..14020		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	13017	Seq. ID	OJ991201_20.0118.C11
Gene No.	27486	Strand	-
Start	9213	End	21262
Name	OJ991201_20.0118.C11.o5.ts	Method	TBLASTX:Soybean
Start	9240	End	9890
GI	none	Score	51
Exons	9240..9473, 9373..9459, 9528..9698, 9556..9714, 9729..9890		

Seq. No.	13017	Seq. ID	OJ991201_20.0118.C11
Gene No.	27486	Strand	-

Start	9213	End	21262
Name	OJ991201_20.0118.C11.o2.tc	Method	TBLASTX:Cress
Start	9249	End	9911
GI	none	Score	101
Exons	9249..9467, 9253..9459, 9534..9614, 9538..9615, 9624..9911, 9625..9714, 9739..9825		

Seq. No.	13017	Seq. ID	OJ991201_20.0118.C11
Gene No.	27486	Strand	-
Start	9213	End	21262
Name	OJ991201_20.0118.C11.o4.tm	Method	TBLASTX:Maize
Start	9250	End	9639
GI	none	Score	351
Exons	9250..9636, 9252..9557, 9252..9638, 9368..9607, 9532..9639		

Seq. No.	13017	Seq. ID	OJ991201_20.0118.C11
Gene No.	27486	Strand	-
Start	9213	End	21262
Name	OJ991201_20.0118.C11.o4.tw	Method	TBLASTX:Wheat
Start	9279	End	9698
GI	none	Score	65
Exons	9279..9482, 9292..9459, 9528..9698, 9538..9615		

Seq. No.	13017	Seq. ID	OJ991201_20.0118.C11
Gene No.	27486	Strand	-
Start	9213	End	21262
Name	OJ991201_20.0118.C11.o9.tm	Method	TBLASTX:Maize
Start	9645	End	9824
GI	none	Score	122
Exons	9645..9824, 9646..9822		

Seq. No.	13017	Seq. ID	OJ991201_20.0118.C11
Gene No.	27486	Strand	-
Start	9213	End	21262
Name	OJ991201_20.0118.C11.o5.tw	Method	TBLASTX:Wheat
Start	9732	End	10043
GI	none	Score	64
Exons	9732..9911, 9936..10043		

Seq. No.	13017	Seq. ID	OJ991201_20.0118.C11
Gene No.	27486	Strand	-
Start	9213	End	21262
Name	OJ991201_20.0118.C11.o3.tm	Method	TBLASTX:Maize
Start	9826	End	10217
GI	none	Score	469
Exons	9826..10215, 9828..10217, 9828..10217		

Seq. No.	13017	Seq. ID	OJ991201_20.0118.C11
Gene No.	27486	Strand	-
Start	9213	End	21262
Name	OJ991201_20.0118.C11.o1.tw	Method	TBLASTX:Wheat
Start	10044	End	10599
GI	none	Score	84
Exons	10044..10268, 10254..10598, 10278..10445, 10510..10599		

Seq. No.	13017	Seq. ID	OJ991201_20.0118.C11
Gene No.	27486	Strand	-

Start	9213	End	21262
Name	OJ991201_20.0118.C11.o4.ts	Method	TBLASTX:Soybean
Start	10269	End	10766
GI	5509260	Score	130
Exons	10269..10766, 10288..10446, 10510..10686		
GI Descrip.	-		

Seq. No.	13017	Seq. ID	OJ991201_20.0118.C11
Gene No.	27486	Strand	-
Start	9213	End	21262
Name	OJ991201_20.0118.C11.o4.tc	Method	TBLASTX:Cress
Start	10380	End	10644
GI	none	Score	91
Exons	10380..10643, 10513..10644		

Seq. No.	13017	Seq. ID	OJ991201_20.0118.C11
Gene No.	27486	Strand	-
Start	9213	End	21262
Name	OJ991201_20.0118.C11.o6.tm	Method	TBLASTX:Maize
Start	10419	End	10715
GI	none	Score	181
Exons	10419..10715, 10420..10689		

Seq. No.	13017	Seq. ID	OJ991201_20.0118.C11
Gene No.	27486	Strand	-
Start	9213	End	21262
Name	OJ991201_20.0118.C11.o3.ts	Method	TBLASTX:Soybean
Start	11217	End	11696
GI	none	Score	73
Exons	11217..11363, 11388..11696, 11400..11660, 11401..11691		

Seq. No.	13017	Seq. ID	OJ991201_20.0118.C11
Gene No.	27486	Strand	-
Start	9213	End	21262
Name	OJ991201_20.0118.C11.o3.tc	Method	TBLASTX:Cress
Start	11241	End	11681
GI	none	Score	199
Exons	11241..11363, 11385..11681		

Seq. No.	13017	Seq. ID	OJ991201_20.0118.C11
Gene No.	27486	Strand	-
Start	9213	End	21262
Name	OJ991201_20.0118.C11.o2.tm	Method	TBLASTX:Maize
Start	11301	End	11727
GI	none	Score	531
Exons	11301..11696, 11301..11723, 11302..11727		

Seq. No.	13017	Seq. ID	OJ991201_20.0118.C11
Gene No.	27486	Strand	-
Start	9213	End	21262
Name	OJ991201_20.0118.C11.o3.gp	Method	AAT/GAP
Start	11374	End	11729
GI	uC-osflcyp139c12a1	Score	585
Exons	11374..11729		
GI Descrip.	'5295971/dbj|BAA81872.1| 3.0e-44 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777)		

[Oryza sativa]'

Seq. No.	13017	Seq. ID	OJ991201_20.0118.C11
Gene No.	27486	Strand	-
Start	9213	End	21262
Name	OJ991201_20.0118.C11.o3.tw	Method	TBLASTX:Wheat
Start	11379	End	11912
GI	none	Score	42
Exons	11379..11459, 11392..11463, 11466..11732, 11566..11715, 11799..11912		

Seq. No.	13017	Seq. ID	OJ991201_20.0118.C11
Gene No.	27486	Strand	-
Start	9213	End	21262
Name	OJ991201_20.0118.C11.o2.tw	Method	TBLASTX:Wheat
Start	12002	End	12455
GI	none	Score	39
Exons	12002..12082, 12003..12077, 12074..12451, 12089..12454, 12150..12455		

Seq. No.	13017	Seq. ID	OJ991201_20.0118.C11
Gene No.	27486	Strand	-
Start	9213	End	21262
Name	OJ991201_20.0118.C11.o8.tm	Method	TBLASTX:Maize
Start	12125	End	12365
GI	none	Score	262
Exons	12125..12364, 12126..12365		

Seq. No.	13017	Seq. ID	OJ991201_20.0118.C11
Gene No.	27486	Strand	-
Start	9213	End	21262
Name	OJ991201_20.0118.C11.o1.tm	Method	TBLASTX:Maize
Start	12380	End	13100
GI	none	Score	403
Exons	12380..12805, 12380..12745, 12481..12804, 12810..12842, 12812..12907, 12824..13099, 12825..13100, 12978..13100		

Seq. No.	13017	Seq. ID	OJ991201_20.0118.C11
Gene No.	27486	Strand	-
Start	9213	End	21262
Name	OJ991201_20.0118.C11.o7.tm	Method	TBLASTX:Maize
Start	13334	End	13625
GI	none	Score	226
Exons	13334..13561, 13334..13624, 13410..13625		

Seq. No.	13017	Seq. ID	OJ991201_20.0118.C11
Gene No.	27486	Strand	-
Start	9213	End	21262
Name	OJ991201_20.0118.C11.o1.ts	Method	TBLASTX:Soybean
Start	16893	End	18786
GI	none	Score	85
Exons	16893..17015, 17097..17342, 17098..17184, 17100..17342, 17260..17343, 17477..17536, 17815..18126, 17816..18124, 18232..18387, 18232..18447, 18239..18442, 18254..18457, 18544..18786, 18546..18785		

Seq. No.	13017	Seq. ID	OJ991201_20.0118.C11

Gene No.	27486	Strand	-
Start	9213	End	21262
Name	OJ991201_20.0118.C11.o3.np	Method	AAT/NAP
Start	16904	End	21262
GI	2316016	Score	2042
Exons	16904..17010, 17098..17341, 17470..17529, 17811..18120, 18235..18449, 18581..18875, 18972..19136, 19299..19964, 20257..20343, 20630..21262		
GI Descrip.	(U92650) MRP-like ABC transporter [Arabidopsis thaliana]		

Seq. No.	13017	Seq. ID	OJ991201_20.0118.C11
Gene No.	27486	Strand	-
Start	9213	End	21262
Name	OJ991201_20.0118.C11.o1.tc	Method	TBLASTX:Cress
Start	16923	End	21262
GI	none	Score	56
Exons	16923..17015, 17097..17171, 17098..17178, 17100..17345, 17115..17333, 17217..17411, 17260..17400, 17477..17536, 17815..18126, 17816..18121, 18232..18447, 18260..18442, 18633..18878, 18654..18878, 18973..19116, 18982..19143, 19017..19136, 19293..19487, 19300..19383, 19473..19679, 19524..19688, 20252..20356, 20254..20355, 20622..20741, 20630..21262, 20639..21073, 20793..21083		

Seq. No.	13017	Seq. ID	OJ991201_20.0118.C11
Gene No.	27486	Strand	-
Start	9213	End	21262
Name	OJ991201_20.0118.C11.o5.tm	Method	TBLASTX:Maize
Start	16935	End	20923
GI	none	Score	65
Exons	16935..17015, 17097..17342, 17106..17339, 17272..17346, 17812..18126, 17813..18118, 17815..18123, 18232..18450, 18582..18881, 18670..18888, 18972..19031, 19293..19472, 20624..20923		

Seq. No.	13017	Seq. ID	OJ991201_20.0118.C11
Gene No.	27486	Strand	-
Start	9213	End	21262
Name	OJ991201_20.0118.C11.o6.tw	Method	TBLASTX:Wheat
Start	17164	End	20923
GI	none	Score	82
Exons	17164..17310, 17166..17324, 17166..17342, 17290..17346, 17815..17967, 17816..17962, 20624..20776, 20876..20923		

Seq. No.	13017	Seq. ID	OJ991201_20.0118.C11
Gene No.	27486	Strand	-
Start	9213	End	21262
Name	OJ991201_20.0118.C11.o6.ts	Method	TBLASTX:Soybean
Start	18792	End	19732
GI	none	Score	80
Exons	18792..18881, 19014..19133, 19293..19487, 19297..19452, 19491..19688, 19533..19652, 19664..19732		

Seq. No.	13017	Seq. ID	OJ991201_20.0118.C11
Gene No.	27486	Strand	-
Start	9213	End	21262
Name	OJ991201_20.0118.C11.o2.ts	Method	TBLASTX:Soybean

Start	20669	End	21028
GI	none	Score	90
Exons	20669..20830, 20669..21028, 20796..21026, 20903..21028		

Seq. No.	13018	Seq. ID	OJ991201_20.0118.C12
Gene No.	27487	Strand	-
Start	1	End	2462
Name	OJ991201_20.0118.C12.o1.np	Method	AAT/NAP
Start	1	End	2462
GI	2316016	Score	365
Exons	1..723, 2442..2462		
GI Descrip.	(U92650) MRP-like ABC transporter [Arabidopsis thaliana]		

Seq. No.	13018	Seq. ID	OJ991201_20.0118.C12
Gene No.	27487	Strand	-
Start	1	End	2462
Name	OJ991201_20.0118.C12.o1.tc	Method	TBLASTX:Cress
Start	2	End	796
GI	none	Score	81
Exons	2..373, 380..550, 560..796		

Seq. No.	13018	Seq. ID	OJ991201_20.0118.C12
Gene No.	27487	Strand	-
Start	1	End	2462
Name	OJ991201_20.0118.C12.o1.gs	Method	GENSCAN
Start	144	End	2179
GI	none	Score	.82
Exons	144..792, 2149..2179		

Seq. No.	13019	Seq. ID	OJ991201_20.0118.C13
Gene No.	27488	Strand	+
Start	306	End	3043
Name	OJ991201_20.0118.C13.o1.gs	Method	GENSCAN
Start	306	End	3043
GI	none	Score	.42
Exons	306..323, 1267..1467, 2754..2918, 2981..3043		

Seq. No.	13019	Seq. ID	OJ991201_20.0118.C13
Gene No.	27489	Strand	-
Start	3446	End	7599
Name	OJ991201_20.0118.C13.o1.ts	Method	TBLASTX:Soybean
Start	3416	End	5679
GI	none	Score	198
Exons	3416..3550, 3620..3880, 3621..3872, 3975..4037, 3976..4029, 4353..4685, 4365..4673, 4366..4686, 4420..4686, 5157..5321, 5160..5390, 5167..5376, 5463..5645, 5470..5679, 5470..5676, 5471..5677		

Seq. No.	13019	Seq. ID	OJ991201_20.0118.C13
Gene No.	27489	Strand	-
Start	3446	End	7599
Name	OJ991201_20.0118.C13.o1.np	Method	AAT/NAP
Start	3443	End	7599
GI	2316016	Score	2145
Exons	3443..3549, 3625..3864, 3971..4034, 4365..4670, 5163..5377, 5472..5766, 5950..6114, 6207..6872, 6957..7043, 7234..7599		
GI Descrip.	(U92650) MRP-like ABC transporter [Arabidopsis thaliana]		

Seq. No.	13019	Seq. ID	OJ991201_20.0118.C13
Gene No.	27489	Strand	-
Start	3446	End	7599
Name	OJ991201_20.0118.C13.o2.gs	Method	GENSCAN
Start	3446	End	7575
GI	none	Score	.68
Exons	3446..3549, 3625..3864, 3971..4034, 4365..4670, 5163..5330, 5950..6114, 6465..6872, 6957..7043, 7234..7575		

Seq. No.	13019	Seq. ID	OJ991201_20.0118.C13
Gene No.	27489	Strand	-
Start	3446	End	7599
Name	OJ991201_20.0118.C13.o1.tc	Method	TBLASTX:Cress
Start	3458	End	7599
GI	none	Score	154
Exons	3458..3550, 3543..3899, 3623..3901, 3964..4029, 3972..4037, 4353..4676, 4381..4671, 5160..5390, 5188..5373, 5524..5769, 5945..6115, 5950..6117, 6195..6653, 6196..6588, 6741..6872, 6954..7049, 6955..7044, 7205..7597, 7234..7599		

Seq. No.	13019	Seq. ID	OJ991201_20.0118.C13
Gene No.	27489	Strand	-
Start	3446	End	7599
Name	OJ991201_20.0118.C13.o1.tm	Method	TBLASTX:Maize
Start	3458	End	6117
GI	none	Score	168
Exons	3458..3550, 3579..3866, 3620..3880, 3975..4037, 3979..4032, 4353..4676, 4364..4681, 4365..4673, 4366..4683, 5131..5319, 5160..5387, 5470..5772, 5474..5689, 5950..6117, 5969..6112		

Seq. No.	13019	Seq. ID	OJ991201_20.0118.C13
Gene No.	27489	Strand	-
Start	3446	End	7599
Name	OJ991201_20.0118.C13.o1.tw	Method	TBLASTX:Wheat
Start	3687	End	7380
GI	none	Score	84
Exons	3687..3869, 3689..3865, 4353..4517, 4366..4521, 7234..7380		

Seq. No.	13019	Seq. ID	OJ991201_20.0118.C13
Gene No.	27489	Strand	-
Start	3446	End	7599
Name	OJ991201_20.0118.C13.o2.ts	Method	TBLASTX:Soybean
Start	5680	End	6611
GI	none	Score	96
Exons	5680..5772, 5950..6126, 5960..6112, 6195..6611, 6196..6588		

Seq. No.	13019	Seq. ID	OJ991201_20.0118.C13
Gene No.	27489	Strand	-
Start	3446	End	7599
Name	OJ991201_20.0118.C13.o2.tm	Method	TBLASTX:Maize
Start	6195	End	6608
GI	none	Score	160
Exons	6195..6608, 6196..6588		

Seq. No.	13019	Seq. ID	OJ991201_20.0118.C13
Gene No.	27489	Strand	-

Start	3446	End	7599
Name	OJ991201_20.0118.C13.o3.tm	Method	TBLASTX:Maize
Start	7226	End	7485
GI	none	Score	84
Exons	7226..7375, 7227..7415, 7232..7342, 7233..7415, 7234..7485, 7234..7485		

Seq. No.	13019	Seq. ID	OJ991201_20.0118.C13
Gene No.	27489	Strand	-
Start	3446	End	7599
Name	OJ991201_20.0118.C13.o3.ts	Method	TBLASTX:Soybean
Start	7272	End	7599
GI	none	Score	105
Exons	7272..7589, 7273..7599, 7274..7597		

Seq. No.	13020	Seq. ID	OJ991201_20.0118.C14
Gene No.	27490	Strand	-
Start	57	End	1889
Name	OJ991201_20.0118.C14.o1.gs	Method	GENSCAN
Start	57	End	1889
GI	none	Score	.58
Exons	57..331, 785..917, 1793..1889		

Seq. No.	13021	Seq. ID	OJ991201_20.0118.C15
Gene No.	27491	Strand	+
Start	1266	End	1818
Name	OJ991201_20.0118.C15.o1.np	Method	AAT/NAP
Start	1266	End	1818
GI	6907106	Score	450
Exons	1266..1511, 1598..1818		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	13022	Seq. ID	OJ991201_20.0118.C16
Gene No.	27492	Strand	+
Start	1	End	123
Name	OJ991201_20.0118.C16.o1.np	Method	AAT/NAP
Start	1	End	123
GI	6907106	Score	141
Exons	1..123		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	13022	Seq. ID	OJ991201_20.0118.C16
Gene No.	27493	Strand	-
Start	3761	End	5069
Name	OJ991201_20.0118.C16.o2.gs	Method	GENSCAN
Start	3761	End	5069
GI	none	Score	.81
Exons	3761..3856, 4974..5069		

Seq. No.	13023	Seq. ID	OJ991201_20.0118.C17
Gene No.	27494	Strand	+
Start	97	End	4049
Name	OJ991201_20.0118.C17.o1.gs	Method	GENSCAN
Start	97	End	4049
GI	none	Score	.42

Exons	97..318, 1516..1690, 1869..3636, 3723..4049		
Seq. No.	13023	Seq. ID	OJ991201_20.0118.C17
Gene No.	27495	Strand	-
Start	2479	End	3750
Name	OJ991201_20.0118.C17.o1.np	Method	AAT/NAP
Start	2479	End	3750
GI	3643598	Score	1155
Exons	2479..3750		
GI Descrip.	(AC005395) putative poly(A) polymerase [Arabidopsis thaliana]		
Seq. No.	13023	Seq. ID	OJ991201_20.0118.C17
Gene No.	27496	Strand	-
Start	4778	End	11683
Name	OJ991201_20.0118.C17.o2.tm	Method	TBLASTX:Maize
Start	2197	End	2646
GI	none	Score	69
Exons	2197..2340, 2377..2427, 2441..2542, 2443..2589, 2560..2646		
Seq. No.	13023	Seq. ID	OJ991201_20.0118.C17
Gene No.	27496	Strand	-
Start	4778	End	11683
Name	OJ991201_20.0118.C17.o2.tc	Method	TBLASTX:Cress
Start	2221	End	2646
GI	none	Score	78
Exons	2221..2340, 2246..2341, 2441..2545, 2446..2589, 2560..2646		
Seq. No.	13023	Seq. ID	OJ991201_20.0118.C17
Gene No.	27496	Strand	-
Start	4778	End	11683
Name	OJ991201_20.0118.C17.o2.ts	Method	TBLASTX:Soybean
Start	2221	End	2775
GI	none	Score	104
Exons	2221..2340, 2443..2589, 2560..2646, 2680..2775		
Seq. No.	13023	Seq. ID	OJ991201_20.0118.C17
Gene No.	27496	Strand	-
Start	4778	End	11683
Name	OJ991201_20.0118.C17.o1.tm	Method	TBLASTX:Maize
Start	2669	End	3243
GI	none	Score	168
Exons	2669..2839, 2674..2844, 2819..3241, 2857..3243		
Seq. No.	13023	Seq. ID	OJ991201_20.0118.C17
Gene No.	27496	Strand	-
Start	4778	End	11683
Name	OJ991201_20.0118.C17.o1.tc	Method	TBLASTX:Cress
Start	2672	End	3081
GI	none	Score	121
Exons	2672..2836, 2674..2844, 2857..3081, 2873..3079		
Seq. No.	13023	Seq. ID	OJ991201_20.0118.C17
Gene No.	27496	Strand	-
Start	4778	End	11683
Name	OJ991201_20.0118.C17.o1.tw	Method	TBLASTX:Wheat
Start	2680	End	3022
GI	none	Score	134

Exons	2680..2844, 2684..2845, 2857..3021, 2870..3022		
Seq. No.	13023	Seq. ID	OJ991201_20.0118.C17
Gene No.	27496	Strand	-
Start	4778	End	11683
Name	OJ991201_20.0118.C17.o1.ts	Method	TBLASTX:Soybean
Start	2857	End	3300
GI	none	Score	323
Exons	2857..3300, 2879..3298		
Seq. No.	13023	Seq. ID	OJ991201_20.0118.C17
Gene No.	27496	Strand	-
Start	4778	End	11683
Name	OJ991201_20.0118.C17.o3.tc	Method	TBLASTX:Cress
Start	3088	End	3300
GI	none	Score	137
Exons	3088..3300, 3095..3298		
Seq. No.	13023	Seq. ID	OJ991201_20.0118.C17
Gene No.	27496	Strand	-
Start	4778	End	11683
Name	OJ991201_20.0118.C17.o2.np	Method	AAT/NAP
Start	4749	End	11683
GI	3063473	Score	1603
Exons	4749..4933, 5253..5372, 5806..5940, 6619..6756, 6881..6973, 7066..7143, 7342..7493, 7569..7638, 7822..7989, 8075..8179, 8264..8336, 8435..8556, 8642..8716, 9270..9500, 9573..9707, 9951..10061, 10133..10186, 10266..10325, 11134..11286, 11523..11683		
GI Descrip.	(AC003981) F22O13.35 [Arabidopsis thaliana]		
Seq. No.	13023	Seq. ID	OJ991201_20.0118.C17
Gene No.	27496	Strand	-
Start	4778	End	11683
Name	OJ991201_20.0118.C17.o2.gs	Method	GENSCAN
Start	4778	End	11634
GI	none	Score	.91
Exons	4778..4939, 5253..5372, 5806..5940, 6619..6756, 6881..6973, 7342..7493, 7569..7638, 7822..7989, 8264..8336, 8435..8556, 9573..9707, 9951..10061, 10133..10193, 10270..10325, 11134..11286, 11523..11634		
Seq. No.	13023	Seq. ID	OJ991201_20.0118.C17
Gene No.	27496	Strand	-
Start	4778	End	11683
Name	OJ991201_20.0118.C17.o3.tm	Method	TBLASTX:Maize
Start	6727	End	7456
GI	none	Score	68
Exons	6727..6756, 6882..6968, 6883..6972, 6883..6969, 6884..6973, 6885..6974, 6890..6976, 7066..7137, 7069..7143, 7306..7455, 7311..7427, 7313..7456		
Seq. No.	13024	Seq. ID	OJ991201_20.0118.C18
Gene No.	27497	Strand	-
Start	464	End	2122
Name	OJ991201_20.0118.C18.o1.gs	Method	GENSCAN
Start	464	End	2084

GI	none	Score	.95
Exons	464..560, 1328..1381, 1480..1680, 1797..1915, 1961..2084		

Seq. No.	13024	Seq. ID	OJ991201_20.0118.C18
Gene No.	27497	Strand	-
Start	464	End	2122
Name	OJ991201_20.0118.C18.o1.np	Method	AAT/NAP
Start	464	End	2122
GI	2342691	Score	311
Exons	464..560, 669..779, 948..1080, 1182..1243, 1328..1381, 1480..1680, 1797..1874, 1971..2122		
GI Descrip.	(AC000106) F7G19.26 [Arabidopsis thaliana]		

Seq. No.	13024	Seq. ID	OJ991201_20.0118.C18
Gene No.	27497	Strand	-
Start	464	End	2122
Name	OJ991201_20.0118.C18.o1.tm	Method	TBLASTX:Maize
Start	1176	End	1635
GI	none	Score	78
Exons	1176..1244, 1180..1245, 1181..1246, 1325..1405, 1326..1397, 1328..1399, 1475..1633, 1477..1635, 1478..1612, 1479..1631, 1546..1635		

Seq. No.	13025	Seq. ID	OJ991201_20.0118.C19
Gene No.	27498	Strand	+
Start	90	End	1677
Name	OJ991201_20.0118.C19.o1.gs	Method	GENSCAN
Start	90	End	1677
GI	none	Score	.49
Exons	90..286, 1065..1222, 1574..1677		

Seq. No.	13025	Seq. ID	OJ991201_20.0118.C19
Gene No.	27499	Strand	+
Start	5014	End	8531
Name	OJ991201_20.0118.C19.o3.np	Method	AAT/NAP
Start	5014	End	7461
GI	3451074	Score	37
Exons	5014..5038, 7353..7461		
GI Descrip.	(AL031326) putative protein [Arabidopsis thaliana]		

Seq. No.	13025	Seq. ID	OJ991201_20.0118.C19
Gene No.	27499	Strand	+
Start	5014	End	8531
Name	OJ991201_20.0118.C19.o4.gs	Method	GENSCAN
Start	7286	End	7961
GI	none	Score	.67
Exons	7286..7455, 7748..7961		

Seq. No.	13025	Seq. ID	OJ991201_20.0118.C19
Gene No.	27499	Strand	+
Start	5014	End	8531
Name	OJ991201_20.0118.C19.o4.np	Method	AAT/NAP
Start	7723	End	8531
GI	2586082	Score	1038
Exons	7723..8531		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	13025	Seq. ID	OJ991201_20.0118.C19
Gene No.	27500	Strand	-
Start	4229	End	4480
Name	OJ991201_20.0118.C19.o3.gs	Method	GENSCAN
Start	4229	End	4480
GI	none	Score	.82
Exons	4229..4480		

Seq. No.	13025	Seq. ID	OJ991201_20.0118.C19
Gene No.	27501	Strand	
Start	7812	End	8390
Name	OJ991201_20.0118.C19.o1.tm	Method	TBLASTX:Maize
Start	7812	End	8237
GI	none	Score	93
Exons	7812..7904, 7941..8237		

Seq. No.	13025	Seq. ID	OJ991201_20.0118.C19
Gene No.	27501	Strand	
Start	7812	End	8390
Name	OJ991201_20.0118.C19.o1.tw	Method	TBLASTX:Wheat
Start	8052	End	8390
GI	none	Score	264
Exons	8052..8390, 8115..8243, 8116..8253		

Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27502	Strand	+
Start	1	End	12699
Name	OJ991201_20.0118.C20.o1.np	Method	AAT/NAP
Start	1	End	3855
GI	3650035	Score	578
Exons	1..29, 207..1502, 3810..3855		
GI Descrip.	(AC005396) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27502	Strand	+
Start	1	End	12699
Name	OJ991201_20.0118.C20.o2.np	Method	AAT/NAP
Start	151	End	4838
GI	4572668	Score	289
Exons	151..303, 618..1420, 4777..4838		
GI Descrip.	(AC006954) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27502	Strand	+
Start	1	End	12699
Name	OJ991201_20.0118.C20.o1.gs	Method	GENSCAN
Start	231	End	3125
GI	none	Score	.84
Exons	231..444, 1149..1194, 1833..1893, 2256..2499, 2566..3125		

Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27502	Strand	+
Start	1	End	12699
Name	OJ991201_20.0118.C20.o3.np	Method	AAT/NAP
Start	276	End	5720

GI	5091513	Score	2101
Exons	276..311, 2256..3271, 3694..4457, 4501..4679, 5484..5720		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27502	Strand	+
Start	1	End	12699
Name	OJ991201_20.0118.C20.o2.gs	Method	GENSCAN
Start	3677	End	12699
GI	none	Score	.58
Exons	3677..4332, 4508..4631, 4678..4900, 5204..5482, 7562..8251, 9625..9701, 9737..10660, 11187..11475, 11550..11750, 11889..12002, 12074..12178, 12251..12699		

Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27502	Strand	+
Start	1	End	12699
Name	OJ991201_20.0118.C20.o4.np	Method	AAT/NAP
Start	9776	End	12696
GI	6691716	Score	2367
Exons	9776..10664, 10862..11036, 11117..11422, 11563..11737, 11813..11924, 12074..12178, 12251..12696		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27503	Strand	+
Start	17931	End	24263
Name	OJ991201_20.0118.C20.o6.np	Method	AAT/NAP
Start	17931	End	22473
GI	3269281	Score	1019
Exons	17931..17978, 19615..20225, 20259..21120, 22446..22473		
GI Descrip.	(AL030978) putative protein [Arabidopsis thaliana]		

Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27503	Strand	+
Start	17931	End	24263
Name	OJ991201_20.0118.C20.o5.gs	Method	GENSCAN
Start	21192	End	24263
GI	none	Score	.68
Exons	21192..21273, 21610..21811, 22446..22682, 23064..23250, 23635..23745, 23838..24263		

Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27504	Strand	-
Start	13015	End	19124
Name	OJ991201_20.0118.C20.o3.gs	Method	GENSCAN
Start	13015	End	13551
GI	none	Score	.8
Exons	13015..13551		

Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27504	Strand	-
Start	13015	End	19124
Name	OJ991201_20.0118.C20.o5.np	Method	AAT/NAP
Start	13051	End	19124

GI	5922631	Score	6639
Exons	13051..15578, 16185..17108, 17235..17386, 17429..18000, 18046..18248, 18498..18741, 19000..19124		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27504	Strand	-
Start	13015	End	19124
Name	OJ991201_20.0118.C20.o4.gs	Method	GENSCAN
Start	13660	End	19124
GI	none	Score	.72
Exons	13660..14784, 15016..16096, 16193..18276, 18402..19124		

Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27505	Strand	-
Start	21393	End	24299
Name	OJ991201_20.0118.C20.o6.tm	Method	TBLASTX:Maize
Start	189	End	446
GI	none	Score	111
Exons	189..317, 294..446		

Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27505	Strand	-
Start	21393	End	24299
Name	OJ991201_20.0118.C20.o5.tw	Method	TBLASTX:Wheat
Start	285	End	655
GI	none	Score	409
Exons	285..653, 313..525, 318..641, 410..655		

Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27505	Strand	-
Start	21393	End	24299
Name	OJ991201_20.0118.C20.o13.tw	Method	TBLASTX:Wheat
Start	1005	End	1405
GI	none	Score	108
Exons	1005..1115, 1009..1116, 1142..1342, 1340..1405		

Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27505	Strand	-
Start	21393	End	24299
Name	OJ991201_20.0118.C20.o6.ts	Method	TBLASTX:Soybean
Start	1105	End	1321
GI	none	Score	192
Exons	1105..1320, 1106..1321, 1136..1321		

Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27505	Strand	-
Start	21393	End	24299
Name	OJ991201_20.0118.C20.o2.tc	Method	TBLASTX:Cress
Start	1127	End	7755
GI	none	Score	213

Exons	1127..1414, 1147..1323, 7615..7755		
Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27505	Strand	-
Start	21393	End	24299
Name	OJ991201_20.0118.C20.o10.tm	Method	TBLASTX:Maize
Start	1133	End	13683
GI	none	Score	191
Exons	1133..1405, 13498..13683		
Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27505	Strand	-
Start	21393	End	24299
Name	OJ991201_20.0118.C20.o12.tw	Method	TBLASTX:Wheat
Start	9896	End	10186
GI	none	Score	218
Exons	9896..10186		
Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27505	Strand	-
Start	21393	End	24299
Name	OJ991201_20.0118.C20.o6.tw	Method	TBLASTX:Wheat
Start	13027	End	13641
GI	none	Score	87
Exons	13027..13164, 13150..13308, 13363..13641, 13379..13486		
Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27505	Strand	-
Start	21393	End	24299
Name	OJ991201_20.0118.C20.o7.tm	Method	TBLASTX:Maize
Start	13064	End	13299
GI	none	Score	101
Exons	13064..13168, 13066..13167, 13147..13299		
Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27505	Strand	-
Start	21393	End	24299
Name	OJ991201_20.0118.C20.o4.tw	Method	TBLASTX:Wheat
Start	13756	End	14143
GI	none	Score	112
Exons	13756..13947, 13756..14142, 13832..14143		
Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27505	Strand	-
Start	21393	End	24299
Name	OJ991201_20.0118.C20.o1.tm	Method	TBLASTX:Maize
Start	13786	End	14149
GI	none	Score	67
Exons	13786..13833, 13787..13834, 13814..14128; 13825..14148, 13838..14149		
Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27505	Strand	-
Start	21393	End	24299
Name	OJ991201_20.0118.C20.o14.tw	Method	TBLASTX:Wheat
Start	14146	End	14445
GI	none	Score	130

Exons	14146..14286, 14311..14445		
Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27505	Strand	-
Start	21393	End	24299
Name	OJ991201_20.0118.C20.o9.tm	Method	TBLASTX:Maize
Start	14377	End	14631
GI	none	Score	193
Exons	14377..14631		
Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27505	Strand	-
Start	21393	End	24299
Name	OJ991201_20.0118.C20.o7.tw	Method	TBLASTX:Wheat
Start	14461	End	14883
GI	none	Score	256
Exons	14461..14883, 14471..14875		
Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27505	Strand	-
Start	21393	End	24299
Name	OJ991201_20.0118.C20.o4.ts	Method	TBLASTX:Soybean
Start	14504	End	14892
GI	none	Score	159
Exons	14504..14884, 14506..14748, 14788..14892		
Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27505	Strand	-
Start	21393	End	24299
Name	OJ991201_20.0118.C20.o11.tw	Method	TBLASTX:Wheat
Start	14887	End	15169
GI	none	Score	88
Exons	14887..15168, 14899..15159, 15092..15169		
Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27505	Strand	-
Start	21393	End	24299
Name	OJ991201_20.0118.C20.o4.tm	Method	TBLASTX:Maize
Start	15007	End	15451
GI	none	Score	89
Exons	15007..15033, 15031..15174, 15044..15175, 15196..15450, 15196..15450, 15197..15451		
Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27505	Strand	-
Start	21393	End	24299
Name	OJ991201_20.0118.C20.o3.ts	Method	TBLASTX:Soybean
Start	15118	End	15519
GI	none	Score	47
Exons	15118..15519, 15152..15322, 15359..15502		
Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27505	Strand	-
Start	21393	End	24299
Name	OJ991201_20.0118.C20.o2.tw	Method	TBLASTX:Wheat
Start	15173	End	15597
GI	none	Score	295

Exons	15173..15553, 15173..15532, 15178..15597		
Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27505	Strand	-
Start	21393	End	24299
Name	OJ991201_20.0118.C20.o3.tm	Method	TBLASTX:Maize
Start	15682	End	16038
GI	none	Score	218
Exons	15682..16038, 15692..15997		
Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27505	Strand	-
Start	21393	End	24299
Name	OJ991201_20.0118.C20.o1.tw	Method	TBLASTX:Wheat
Start	15712	End	16168
GI	none	Score	266
Exons	15712..16167, 15713..16168		
Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27505	Strand	-
Start	21393	End	24299
Name	OJ991201_20.0118.C20.o5.ts	Method	TBLASTX:Soybean
Start	15763	End	16128
GI	none	Score	139
Exons	15763..15897, 15904..16128		
Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27505	Strand	-
Start	21393	End	24299
Name	OJ991201_20.0118.C20.o8.tw	Method	TBLASTX:Wheat
Start	16411	End	16812
GI	none	Score	190
Exons	16411..16812, 16430..16750		
Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27505	Strand	-
Start	21393	End	24299
Name	OJ991201_20.0118.C20.o10.tw	Method	TBLASTX:Wheat
Start	17422	End	17824
GI	none	Score	117
Exons	17422..17823, 17555..17824		
Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27505	Strand	-
Start	21393	End	24299
Name	OJ991201_20.0118.C20.o2.ts	Method	TBLASTX:Soybean
Start	19643	End	20144
GI	5509260	Score	439
Exons	19643..19927, 19644..20144, 19967..20131		
GI Descrip.	-		
Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27505	Strand	-
Start	21393	End	24299
Name	OJ991201_20.0118.C20.o8.tm	Method	TBLASTX:Maize
Start	19671	End	19937
GI	none	Score	210

Exons 19671..19937, 19679..19897

Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27505	Strand	-
Start	21393	End	24299
Name	OJ991201_20.0118.C20.o1.tc	Method	TBLASTX:Cress
Start	19758	End	20027
GI	none	Score	281

Exons 19758..20027, 19766..20026

Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27505	Strand	-
Start	21393	End	24299
Name	OJ991201_20.0118.C20.o9.tw	Method	TBLASTX:Wheat
Start	19808	End	20321
GI	none	Score	290

Exons 19808..19936, 19809..20153, 19961..20101, 20145..20321

Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27505	Strand	-
Start	21393	End	24299
Name	OJ991201_20.0118.C20.o2.tm	Method	TBLASTX:Maize
Start	19940	End	20387
GI	none	Score	386

Exons 19940..20182, 19941..20387, 20294..20341

Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27505	Strand	-
Start	21393	End	24299
Name	OJ991201_20.0118.C20.o3.tc	Method	TBLASTX:Cress
Start	20205	End	20456
GI	none	Score	210

Exons 20205..20456, 20267..20455

Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27505	Strand	-
Start	21393	End	24299
Name	OJ991201_20.0118.C20.o3.tw	Method	TBLASTX:Wheat
Start	20322	End	20759
GI	none	Score	445

Exons 20322..20759, 20327..20644, 20714..20758

Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27505	Strand	-
Start	21393	End	24299
Name	OJ991201_20.0118.C20.o5.tm	Method	TBLASTX:Maize
Start	20510	End	21176
GI	none	Score	288

Exons 20510..20653, 20511..20933, 20711..20860, 20923..21117, 21135..21176

Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27505	Strand	-
Start	21393	End	24299
Name	OJ991201_20.0118.C20.o1.ts	Method	TBLASTX:Soybean
Start	20523	End	21126
GI	none	Score	361

Exons	20523..20915, 20525..20650, 20711..20914, 20929..21126, 20989..21036		
Seq. No.	13026	Seq. ID	OJ991201_20.0118.C20
Gene No.	27505	Strand	-
Start	21393	End	24299
Name	OJ991201_20.0118.C20.o7.np	Method	AAT/NAP
Start	21393	End	24299
GI	1491621	Score	90
Exons	21393..21423, 21721..21801, 24046..24299		
GI Descrip.	(Z78205) UL36 [Bovine herpesvirus 1] gi|2653311|emb|CAA06097| (AJ004801) very large virion protein (tegument) [Bovine herpesvirus type 1.1]		
Seq. No.	13027	Seq. ID	OJ991201_20.0118.C21
Gene No.	27506	Strand	+
Start	190	End	6252
Name	OJ991201_20.0118.C21.o1.gs	Method	GENSCAN
Start	190	End	6252
GI	none	Score	.55
Exons	190..392, 2272..2525, 2628..2687, 2838..3831, 4064..4197, 4813..5198, 5283..5403, 5497..6252		
Seq. No.	13027	Seq. ID	OJ991201_20.0118.C21
Gene No.	27506	Strand	+
Start	190	End	6252
Name	OJ991201_20.0118.C21.o1.np	Method	AAT/NAP
Start	2634	End	5458
GI	806299	Score	1866
Exons	2634..2888, 2922..5198, 5289..5458		
GI Descrip.	(M25427) unknown protein [Zea mays]		
Seq. No.	13027	Seq. ID	OJ991201_20.0118.C21
Gene No.	27506	Strand	+
Start	190	End	6252
Name	OJ991201_20.0118.C21.o1.gp	Method	AAT/GAP
Start	3564	End	4023
GI	uC-osroM202028g07b1	Score	865
Exons	3564..4023		
GI Descrip.	'322871/pir||S29329 3.0e-35 hypothetical protein 1 - maize transposon En-1 >gi_225005_prf__1206239A ORF 1 [Zea mays]'		
Seq. No.	13027	Seq. ID	OJ991201_20.0118.C21
Gene No.	27506	Strand	+
Start	190	End	6252
Name	OJ991201_20.0118.C21.o2.np	Method	AAT/NAP
Start	5494	End	6246
GI	322873	Score	274
Exons	5494..6246		
GI Descrip.	hypothetical protein 2 - maize transposon En-1 gi|225006|prf||1206239B ORF 2 [Zea mays]		
Seq. No.	13027	Seq. ID	OJ991201_20.0118.C21
Gene No.	27507	Strand	+
Start	6346	End	7472
Name	OJ991201_20.0118.C21.o2.gp	Method	AAT/GAP
Start	6346	End	7472

GI	none	Score	692
Exons	6346..6401, 6569..6613, 7192..7472		

Seq. No.	13027	Seq. ID	OJ991201_20.0118.C21
Gene No.	27508	Strand	-
Start	8553	End	11961
Name	OJ991201_20.0118.C21.o3.gs	Method	GENSCAN
Start	8553	End	11961
GI	none	Score	.64
Exons	8553..8564, 8742..9032, 9635..10006, 10217..10289, 10811..11961		

Seq. No.	13027	Seq. ID	OJ991201_20.0118.C21
Gene No.	27508	Strand	-
Start	8553	End	11961
Name	OJ991201_20.0118.C21.o3.np	Method	AAT/NAP
Start	9835	End	11838
GI	2832696	Score	652
Exons	9835..9894, 10876..11838		
GI Descrip.	(AL021713) putative protein [Arabidopsis thaliana]		

Seq. No.	13027	Seq. ID	OJ991201_20.0118.C21
Gene No.	27509	Strand	-
Start	13266	End	13817
Name	OJ991201_20.0118.C21.o6.tm	Method	TBLASTX:Maize
Start	2642	End	2885
GI	none	Score	111
Exons	2642..2758, 2643..2756, 2763..2885, 2825..2881		

Seq. No.	13027	Seq. ID	OJ991201_20.0118.C21
Gene No.	27509	Strand	-
Start	13266	End	13817
Name	OJ991201_20.0118.C21.o2.tw	Method	TBLASTX:Wheat
Start	3005	End	3335
GI	none	Score	267
Exons	3005..3127, 3006..3335, 3030..3317		

Seq. No.	13027	Seq. ID	OJ991201_20.0118.C21
Gene No.	27509	Strand	-
Start	13266	End	13817
Name	OJ991201_20.0118.C21.o4.ts	Method	TBLASTX:Soybean
Start	3243	End	3644
GI	none	Score	74
Exons	3243..3359, 3257..3349, 3411..3512, 3507..3644		

Seq. No.	13027	Seq. ID	OJ991201_20.0118.C21
Gene No.	27509	Strand	-
Start	13266	End	13817
Name	OJ991201_20.0118.C21.o7.tm	Method	TBLASTX:Maize
Start	3297	End	3646
GI	none	Score	51
Exons	3297..3359, 3405..3467, 3489..3644, 3536..3646		

Seq. No.	13027	Seq. ID	OJ991201_20.0118.C21
Gene No.	27509	Strand	-
Start	13266	End	13817
Name	OJ991201_20.0118.C21.o2.tc	Method	TBLASTX:Cress
Start	3372	End	3737

GI	none	Score	80
Exons	3372..3494, 3531..3737		

Seq. No.	13027	Seq. ID	OJ991201_20.0118.C21
Gene No.	27509	Strand	-
Start	13266	End	13817
Name	OJ991201_20.0118.C21.o1.tw	Method	TBLASTX:Wheat
Start	3522	End	3824
GI	none	Score	269
Exons	3522..3824, 3522..3788, 3530..3805		

Seq. No.	13027	Seq. ID	OJ991201_20.0118.C21
Gene No.	27509	Strand	-
Start	13266	End	13817
Name	OJ991201_20.0118.C21.o2.tm	Method	TBLASTX:Maize
Start	3651	End	3944
GI	none	Score	155
Exons	3651..3755, 3662..3754, 3755..3940, 3756..3944		

Seq. No.	13027	Seq. ID	OJ991201_20.0118.C21
Gene No.	27509	Strand	-
Start	13266	End	13817
Name	OJ991201_20.0118.C21.o3.tm	Method	TBLASTX:Maize
Start	4446	End	4931
GI	none	Score	130
Exons	4446..4622, 4624..4929, 4770..4931		

Seq. No.	13027	Seq. ID	OJ991201_20.0118.C21
Gene No.	27509	Strand	-
Start	13266	End	13817
Name	OJ991201_20.0118.C21.o2.ts	Method	TBLASTX:Soybean
Start	4476	End	4881
GI	none	Score	99
Exons	4476..4622, 4639..4881, 4767..4880		

Seq. No.	13027	Seq. ID	OJ991201_20.0118.C21
Gene No.	27509	Strand	-
Start	13266	End	13817
Name	OJ991201_20.0118.C21.o3.tw	Method	TBLASTX:Wheat
Start	4581	End	4971
GI	none	Score	46
Exons	4581..4622, 4624..4971		

Seq. No.	13027	Seq. ID	OJ991201_20.0118.C21
Gene No.	27509	Strand	-
Start	13266	End	13817
Name	OJ991201_20.0118.C21.o1.ts	Method	TBLASTX:Soybean
Start	10903	End	11532
GI	none	Score	171
Exons	10903..11409, 10904..11377, 11428..11532		

Seq. No.	13027	Seq. ID	OJ991201_20.0118.C21
Gene No.	27509	Strand	-
Start	13266	End	13817
Name	OJ991201_20.0118.C21.o1.tc	Method	TBLASTX:Cress
Start	10954	End	11391
GI	none	Score	95

Exons	10954..11391, 10973..11242		
Seq. No.	13027	Seq. ID	OJ991201_20.0118.C21
Gene No.	27509	Strand	-
Start	13266	End	13817
Name	OJ991201_20.0118.C21.o5.tm	Method	TBLASTX:Maize
Start	11033	End	11329
GI	none	Score	299
Exons	11033..11329, 11038..11328		
Seq. No.	13027	Seq. ID	OJ991201_20.0118.C21
Gene No.	27509	Strand	-
Start	13266	End	13817
Name	OJ991201_20.0118.C21.o1.tm	Method	TBLASTX:Maize
Start	11330	End	11802
GI	none	Score	388
Exons	11330..11749, 11332..11802		
Seq. No.	13027	Seq. ID	OJ991201_20.0118.C21
Gene No.	27509	Strand	-
Start	13266	End	13817
Name	OJ991201_20.0118.C21.o3.tc	Method	TBLASTX:Cress
Start	11398	End	11778
GI	none	Score	59
Exons	11398..11622, 11686..11778		
Seq. No.	13027	Seq. ID	OJ991201_20.0118.C21
Gene No.	27509	Strand	-
Start	13266	End	13817
Name	OJ991201_20.0118.C21.o3.ts	Method	TBLASTX:Soybean
Start	11533	End	11853
GI	none	Score	53
Exons	11533..11634, 11534..11623, 11689..11853, 11693..11749, 11792..11851		
Seq. No.	13027	Seq. ID	OJ991201_20.0118.C21
Gene No.	27509	Strand	-
Start	13266	End	13817
Name	OJ991201_20.0118.C21.o4.tm	Method	TBLASTX:Maize
Start	13170	End	13595
GI	none	Score	202
Exons	13170..13592, 13171..13431, 13173..13439, 13488..13595		
Seq. No.	13027	Seq. ID	OJ991201_20.0118.C21
Gene No.	27509	Strand	-
Start	13266	End	13817
Name	OJ991201_20.0118.C21.o4.np	Method	AAT/NAP
Start	13266	End	13817
GI	4538896	Score	392
Exons	13266..13817		
GI Descrip.	(AL049482) putative protein [Arabidopsis thaliana]		
Seq. No.	13028	Seq. ID	OJ991201_20.0118.C22
Gene No.	27510	Strand	+
Start	69	End	310
Name	OJ991201_20.0118.C22.o1.gs	Method	GENSCAN
Start	69	End	310

GI	none	Score	.54
Exons	69..310		

Seq. No.	13028	Seq. ID	OJ991201_20.0118.C22
Gene No.	27511	Strand	-
Start	1	End	369
Name	OJ991201_20.0118.C22.o1.np	Method	AAT/NAP
Start	1	End	369
GI	6498441	Score	614
Exons	1..369		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	13028	Seq. ID	OJ991201_20.0118.C22
Gene No.	27511	Strand	-
Start	1	End	369
Name	OJ991201_20.0118.C22.o1.tw	Method	TBLASTX:Wheat
Start	41	End	363
GI	none	Score	50
Exons	41..97, 43..363, 119..361		

Seq. No.	13028	Seq. ID	OJ991201_20.0118.C22
Gene No.	27511	Strand	-
Start	1	End	369
Name	OJ991201_20.0118.C22.o1.tm	Method	TBLASTX:Maize
Start	73	End	366
GI	none	Score	90
Exons	73..120, 103..315, 112..366, 125..364		

Seq. No.	13029	Seq. ID	OJ991201_20.0118.C23
Gene No.	27512	Strand	-
Start	1	End	605
Name	OJ991201_20.0118.C23.o1.np	Method	AAT/NAP
Start	1	End	605
GI	6498441	Score	893
Exons	1..605		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	13029	Seq. ID	OJ991201_20.0118.C23
Gene No.	27512	Strand	-
Start	1	End	605
Name	OJ991201_20.0118.C23.o1.gs	Method	GENSCAN
Start	29	End	180
GI	none	Score	.69
Exons	29..180		

Seq. No.	13029	Seq. ID	OJ991201_20.0118.C23
Gene No.	27512	Strand	-
Start	1	End	605
Name	OJ991201_20.0118.C23.o1.tm	Method	TBLASTX:Maize
Start	338	End	603
GI	none	Score	86
Exons	338..487, 422..496, 499..603, 515..595		

Seq. No.	13029	Seq. ID	OJ991201_20.0118.C23
Gene No.	27512	Strand	-
Start	1	End	605
Name	OJ991201_20.0118.C23.o1.tw	Method	TBLASTX:Wheat
Start	338	End	591
GI	none	Score	101
Exons	338..496, 499..591		

Seq. No.	13030	Seq. ID	OJ991201_20.0118.C24
Gene No.	27513	Strand	+
Start	1	End	544
Name	OJ991201_20.0118.C24.o1.np	Method	AAT/NAP
Start	1	End	544
GI	2316016	Score	509
Exons	1..544		
GI Descrip.	(U92650) MRP-like ABC transporter [Arabidopsis thaliana]		

Seq. No.	13030	Seq. ID	OJ991201_20.0118.C24
Gene No.	27513	Strand	+
Start	1	End	544
Name	OJ991201_20.0118.C24.o1.tc	Method	TBLASTX:Cress
Start	1	End	540
GI	none	Score	523
Exons	1..540, 21..539		

Seq. No.	13030	Seq. ID	OJ991201_20.0118.C24
Gene No.	27513	Strand	+
Start	1	End	544
Name	OJ991201_20.0118.C24.o1.tm	Method	TBLASTX:Maize
Start	1	End	411
GI	none	Score	278
Exons	1..411, 54..95, 156..371		

Seq. No.	13030	Seq. ID	OJ991201_20.0118.C24
Gene No.	27513	Strand	+
Start	1	End	544
Name	OJ991201_20.0118.C24.o1.ts	Method	TBLASTX:Soybean
Start	94	End	492
GI	none	Score	246
Exons	94..492, 192..488		

Seq. No.	13031	Seq. ID	OJ991111_16.0103.C1
Gene No.	27514	Strand	+
Start	1390	End	5893
Name	OJ991111_16.0103.C1.o1.gs	Method	GENSCAN
Start	1390	End	5893
GI	none	Score	.74
Exons	1390..1482, 1545..1709, 3405..3498, 5709..5893		

Seq. No.	13031	Seq. ID	OJ991111_16.0103.C1
Gene No.	27515	Strand	+
Start	8997	End	10928
Name	OJ991111_16.0103.C1.o2.gp	Method	AAT/GAP
Start	8911	End	10599
GI	15064_2.R1084	Score	1430
Exons	8911..9224, 9879..10070, 10249..10414, 10507..10599		
GI Descrip.	'1402918/emb|CAA66964| 1.0e-83 (X98320) peroxidase [Arabidopsis		

thaliana] >gi_1429215_emb_CAA67310_ (X98774) peroxidase ATP6a [Arabidopsis thaliana]'

Seq. No.	13031	Seq. ID	OJ991111_16.0103.C1
Gene No.	27515	Strand	+
Start	8997	End	10928
Name	OJ991111_16.0103.C1.o1.np	Method	AAT/NAP
Start	8991	End	10922
GI	1402918	Score	1044
Exons	8991..9224, 9879..10070, 10249..10414, 10507..10922		
GI Descrip.	(X98320) peroxidase [Arabidopsis thaliana] gi|1429215|emb|CAA67310| (X98774) peroxidase ATP6a [Arabidopsis thaliana]		

Seq. No.	13031	Seq. ID	OJ991111_16.0103.C1
Gene No.	27515	Strand	+
Start	8997	End	10928
Name	OJ991111_16.0103.C1.o3.gs	Method	GENSCAN
Start	8997	End	10928
GI	none	Score	.9
Exons	8997..9224, 9879..10070, 10249..10414, 10507..10928		

Seq. No.	13031	Seq. ID	OJ991111_16.0103.C1
Gene No.	27516	Strand	-
Start	8124	End	8196
Name	OJ991111_16.0103.C1.o1.gp	Method	AAT/GAP
Start	8124	End	8196
GI	LIB3477-003-P1-K1-E9	Score	95
Exons	8124..8196		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	13031	Seq. ID	OJ991111_16.0103.C1
Gene No.	27517	Strand	-
Start	12724	End	15996
Name	OJ991111_16.0103.C1.o1.tm	Method	TBLASTX:Maize
Start	8960	End	11093
GI	none	Score	39
Exons	8960..9037, 8967..9005, 8971..9027, 8987..9037, 9083..9223, 9084..9224, 9109..9225, 9122..9226, 9872..10072, 9876..10079, 9879..10073, 10215..10415, 10237..10416, 10503..10916, 10505..10888, 10957..11004, 10957..11007, 11064..11093		

Seq. No.	13031	Seq. ID	OJ991111_16.0103.C1
Gene No.	27517	Strand	-
Start	12724	End	15996
Name	OJ991111_16.0103.C1.o1.tc	Method	TBLASTX:Cress
Start	9069	End	10922
GI	none	Score	203
Exons	9069..9224, 9071..9223, 9872..10066, 9879..10070, 10236..10415, 10237..10416, 10366..10416, 10503..10922, 10504..10584, 10506..10628, 10628..10888		

Seq. No.	13031	Seq. ID	OJ991111_16.0103.C1
Gene No.	27517	Strand	-
Start	12724	End	15996

Name	OJ991111_16.0103.C1.o1.ts	Method	TBLASTX:Soybean
Start	9087	End	10913
GI	none	Score	135
Exons	9087..9221, 9107..9223, 9872..10060, 9879..10073, 10249..10416, 10251..10415, 10503..10568, 10505..10579, 10507..10578, 10593..10655, 10643..10747, 10644..10754, 10755..10913, 10814..10888		

Seq. No.	13031	Seq. ID	OJ991111_16.0103.C1
Gene No.	27517	Strand	-
Start	12724	End	15996
Name	OJ991111_16.0103.C1.o2.tw	Method	TBLASTX:Wheat
Start	9872	End	10045
GI	none	Score	177
Exons	9872..10045, 9873..10043		

Seq. No.	13031	Seq. ID	OJ991111_16.0103.C1
Gene No.	27517	Strand	-
Start	12724	End	15996
Name	OJ991111_16.0103.C1.o1.tw	Method	TBLASTX:Wheat
Start	10251	End	10754
GI	none	Score	135
Exons	10251..10415, 10252..10416, 10482..10514, 10503..10559, 10545..10652, 10641..10754		

Seq. No.	13031	Seq. ID	OJ991111_16.0103.C1
Gene No.	27517	Strand	-
Start	12724	End	15996
Name	OJ991111_16.0103.C1.o4.gs	Method	GENSCAN
Start	12724	End	15996
GI	none	Score	.77
Exons	12724..15996		

Seq. No.	13031	Seq. ID	OJ991111_16.0103.C1
Gene No.	27517	Strand	-
Start	12724	End	15996
Name	OJ991111_16.0103.C1.o2.tc	Method	TBLASTX:Cress
Start	13225	End	15393
GI	none	Score	63
Exons	13225..13554, 13261..13641, 13363..13575, 13387..13752, 13453..13665, 13489..13932, 13558..13764, 13663..13869, 13768..13911, 14329..14583, 14329..14517, 14407..14634, 14434..14670, 14494..14697, 14743..14787, 14746..15090, 14788..14916, 14794..15042, 14833..15219, 14899..15078, 14944..15285, 15004..15204, 15032..15178, 15040..15393, 15241..15393		

Seq. No.	13031	Seq. ID	OJ991111_16.0103.C1
Gene No.	27517	Strand	-
Start	12724	End	15996
Name	OJ991111_16.0103.C1.o2.tm	Method	TBLASTX:Maize
Start	13225	End	15402
GI	none	Score	68
Exons	13225..13428, 13231..13569, 13237..13632, 13354..13779, 13408..13575, 13450..13857, 13567..13905, 13774..13920, 14308..14700, 14308..14610, 14500..14790, 14785..15207, 14788..14910, 14791..15015, 14794..15114, 14908..15330,		

14909..15193, 14998..15117, 14998..15402, 14999..15394, 15190..15273

Seq. No.	13031	Seq. ID	OJ991111_16.0103.C1
Gene No.	27517	Strand	-
Start	12724	End	15996
Name	OJ991111_16.0103.C1.o2.ts	Method	TBLASTX:Soybean
Start	13225	End	15396
GI	none	Score	70
Exons	13225..13500, 13231..13710, 13339..13815, 13435..13923, 13531..13851, 13636..13887, 13741..13911, 14308..14670, 14317..14430, 14377..14835, 14476..14787, 14525..14686, 14770..15051, 14791..15207, 14816..14950, 14818..15156, 14872..15366, 14909..14950, 14977..15396, 15035..15367, 15035..15157		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27518	Strand	+
Start	5	End	4255
Name	OJ991111_16.0103.C2.o1.np	Method	AAT/NAP
Start	5	End	3674
GI	5923682	Score	708
Exons	5..308, 2082..2243, 3035..3674		
GI Descrip.	(AC009326) hypothetical protein [Arabidopsis thaliana] gi|6478914|gb|AAF14019.1|AC011436_3 (AC011436) unknown protein [Arabidopsis thaliana]		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27518	Strand	+
Start	5	End	4255
Name	OJ991111_16.0103.C2.o1.gs	Method	GENSCAN
Start	76	End	4255
GI	none	Score	.67
Exons	76..308, 3035..3485, 3732..3800, 3967..4010, 4111..4255		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27519	Strand	+
Start	6493	End	9349
Name	OJ991111_16.0103.C2.o2.np	Method	AAT/NAP
Start	6278	End	9286
GI	4206197	Score	3389
Exons	6278..6511, 6568..9286		
GI Descrip.	(AF071527) putative pre-mRNA splicing factor [Arabidopsis thaliana]		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27519	Strand	+
Start	6493	End	9349
Name	OJ991111_16.0103.C2.o2.gs	Method	GENSCAN
Start	6493	End	9301
GI	none	Score	.73
Exons	6493..8581, 8712..9301		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27519	Strand	+
Start	6493	End	9349
Name	OJ991111_16.0103.C2.o1.gp	Method	AAT/GAP

Start	9018	End	9349
GI	61401_1.R1084	Score	624
Exons	9018..9349		
GI Descrip.	'4206197/gb|AAD11585.1|AAD11585 3.0e-30 (AF071527) putative pre-mRNA splicing factor [Arabidopsis thaliana]'		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27520	Strand	+
Start	10326	End	11584
Name	OJ991111_16.0103.C2.o2.gp	Method	AAT/GAP
Start	10326	End	11584
GI	3767695	Score	775
Exons	10326..10491, 11299..11584		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27521	Strand	+
Start	14374	End	17701
Name	OJ991111_16.0103.C2.o3.np	Method	AAT/NAP
Start	14374	End	17701
GI	5803259	Score	1611
Exons	14374..15666, 15752..16562, 16614..16940, 17033..17701		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27521	Strand	+
Start	14374	End	17701
Name	OJ991111_16.0103.C2.o4.gs	Method	GENSCAN
Start	14374	End	17671
GI	none	Score	.46
Exons	14374..15044, 15132..15360, 15436..15598, 15765..16078, 16111..16362, 16383..16522, 16614..16849, 17285..17454, 17534..17671		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27522	Strand	+
Start	21584	End	21861
Name	OJ991111_16.0103.C2.o3.gp	Method	AAT/GAP
Start	21584	End	21861
GI	2798616	Score	490
Exons	21584..21861		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27523	Strand	+
Start	35809	End	52303
Name	OJ991111_16.0103.C2.o7.gs	Method	GENSCAN
Start	35809	End	47346
GI	none	Score	.52
Exons	35809..36296, 36488..36538, 36636..36799, 36864..36954, 37910..38000, 38042..38116, 39210..39368, 39701..39737, 39919..40028, 40107..40163, 40266..40349, 40429..40527, 40665..40769, 41045..41116, 41208..41397, 41710..42100, 42824..42927, 43725..44013, 45350..45428, 46531..46576, 47141..47346		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27523	Strand	+
Start	35809	End	52303

Name	OJ991111_16.0103.C2.o6.np	Method	AAT/NAP
Start	36048	End	41140
GI	6136111	Score	972
Exons	36048..36077, 36334..36380, 36488..36535, 36636..36727, 36864..36954, 37777..37837, 37926..38000, 38069..38116, 38218..38291, 38465..38537, 39188..39245, 39322..39368, 39445..39500, 39691..39737, 39837..39887, 39955..40028, 40107..40163, 40266..40349, 40429..40527, 40665..40769, 41045..41140		
GI Descrip.	UTP--GLUCOSE-1-PHOSPHATE URIDYLYLTRANSFERASE (UDP-GLUCOSE PYROPHOSPHORYLASE) (UDPGP) (UGPASE) gi|2117937|pir||JC4785 UTP--glucose-1-phosphate uridylyltransferase (EC 2.7.7.9) - barley gi|1212996|emb|CAA62689| (X91347) UDP-glucose pyrophosphorylase [Hordeum vulgare]		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27523	Strand	+
Start	35809	End	52303
Name	OJ991111_16.0103.C2.o7.np	Method	AAT/NAP
Start	45990	End	52303
GI	531389	Score	190
Exons	45990..46091, 46336..46666, 47178..47428, 52284..52303		
GI Descrip.	(U12626) copia-like retrotransposon Hopscotch polyprotein [Zea mays]		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27524	Strand	-
Start	12758	End	14148
Name	OJ991111_16.0103.C2.o3.gs	Method	GENSCAN
Start	12758	End	14148
GI	none	Score	.75
Exons	12758..12873, 13152..13308, 13809..13916, 14026..14148		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27525	Strand	-
Start	17916	End	33544
Name	OJ991111_16.0103.C2.o5.gs	Method	GENSCAN
Start	17916	End	33544
GI	none	Score	.53
Exons	17916..18054, 18708..18817, 18892..19368, 19378..19884, 19938..20058, 20130..20432, 20521..20743, 20971..21271, 21314..22126, 22181..22356, 24616..26017, 27254..27509, 28377..28470, 31478..31640, 31726..31909, 33351..33544		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27525	Strand	-
Start	17916	End	33544
Name	OJ991111_16.0103.C2.o4.np	Method	AAT/NAP
Start	18440	End	23629
GI	6498441	Score	2933
Exons	18440..18722, 18815..20859, 20923..21373, 21557..22239, 23585..23629		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2

Gene No.	27525	Strand	-
Start	17916	End	33544
Name	OJ991111_16.0103.C2.o4.gp	Method	AAT/GAP
Start	24178	End	24591
GI	none	Score	786
Exons	24178..24591		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27525	Strand	-
Start	17916	End	33544
Name	OJ991111_16.0103.C2.o5.np	Method	AAT/NAP
Start	24515	End	26901
GI	6539573	Score	814
Exons	24515..25818, 26860..26901		
GI Descrip.	(AP000836) Similar to H-protein promoter binding factor-2a (AF079503) [Oryza sativa]		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27525	Strand	-
Start	17916	End	33544
Name	OJ991111_16.0103.C2.o5.gp	Method	AAT/GAP
Start	25100	End	25719
GI	81962_1.R1084	Score	1188
Exons	25100..25719		
GI Descrip.	'5922603/dbj|AP000492.1|AP000492 9.0e-15 Oryza sativa genomic DNA, chromosome 1, clone:P0705D01'		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27526	Strand	-
Start	33997	End	34850
Name	OJ991111_16.0103.C2.o6.gs	Method	GENSCAN
Start	33997	End	34850
GI	none	Score	.71
Exons	33997..34082, 34133..34850		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27527	Strand	-
Start	48507	End	52303
Name	OJ991111_16.0103.C2.o5.ts	Method	TBLASTX:Soybean
Start	94	End	3092
GI	none	Score	141
Exons	94..207, 2073..2243, 2074..2244, 2091..2252, 2137..2244, 3021..3092, 3023..3091		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27527	Strand	-
Start	48507	End	52303
Name	OJ991111_16.0103.C2.o7.tm	Method	TBLASTX:Maize
Start	94	End	309
GI	none	Score	207
Exons	94..231, 139..231, 250..309, 258..308		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27527	Strand	-
Start	48507	End	52303
Name	OJ991111_16.0103.C2.o2.tm	Method	TBLASTX:Maize
Start	2119	End	3635

GI	none	Score	214
Exons	2119..2244, 2129..2257, 2129..2251, 3021..3365, 3021..3356, 3182..3364, 3359..3484, 3360..3485, 3362..3487, 3388..3489, 3581..3622, 3581..3634, 3582..3635		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27527	Strand	-
Start	48507	End	52303
Name	OJ991111_16.0103.C2.o1.tc	Method	TBLASTX:Cress
Start	7327	End	9295
GI	none	Score	93
Exons	7327..7638, 7699..7806, 7723..7953, 8359..8484, 8704..9279, 8714..9280, 8744..9295		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27527	Strand	-
Start	48507	End	52303
Name	OJ991111_16.0103.C2.o1.tm	Method	TBLASTX:Maize
Start	7327	End	9346
GI	none	Score	120
Exons	7327..7626, 7333..7536, 7747..7977, 8098..8244, 8101..8433, 8308..8529, 8308..8493, 8419..8703, 8420..8671, 8421..8705, 8467..8643, 8698..9279, 8703..9032, 8708..9346, 8708..9301		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27527	Strand	-
Start	48507	End	52303
Name	OJ991111_16.0103.C2.o1.ts	Method	TBLASTX:Soybean
Start	7414	End	8650
GI	none	Score	55
Exons	7414..7533, 7552..7629, 8095..8646, 8097..8645, 8444..8650		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27527	Strand	-
Start	48507	End	52303
Name	OJ991111_16.0103.C2.o8.tm	Method	TBLASTX:Maize
Start	7626	End	7746
GI	none	Score	189
Exons	7626..7691, 7627..7746, 7630..7746		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27527	Strand	-
Start	48507	End	52303
Name	OJ991111_16.0103.C2.o2.tc	Method	TBLASTX:Cress
Start	7954	End	8331
GI	none	Score	276
Exons	7954..8154, 7963..8151, 7971..8153, 8155..8331, 8173..8319		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27527	Strand	-
Start	48507	End	52303
Name	OJ991111_16.0103.C2.o9.tm	Method	TBLASTX:Maize
Start	7980	End	8097
GI	none	Score	131
Exons	7980..8090, 7981..8097, 7981..8094		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2

Gene No.	27527	Strand	-
Start	48507	End	52303
Name	OJ991111_16.0103.C2.o5.tc	Method	TBLASTX:Cress
Start	8484	End	8700
GI	none	Score	201
Exons	8484..8645, 8485..8700		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27527	Strand	-
Start	48507	End	52303
Name	OJ991111_16.0103.C2.o2.ts	Method	TBLASTX:Soybean
Start	8897	End	9287
GI	none	Score	564
Exons	8897..9280, 8899..9279, 9081..9287		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27527	Strand	-
Start	48507	End	52303
Name	OJ991111_16.0103.C2.o5.tw	Method	TBLASTX:Wheat
Start	15456	End	21274
GI	none	Score	113
Exons	15456..15512, 21035..21271, 21036..21272, 21062..21274		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27527	Strand	-
Start	48507	End	52303
Name	OJ991111_16.0103.C2.o6.tw	Method	TBLASTX:Wheat
Start	18725	End	19048
GI	none	Score	83
Exons	18725..18853, 18820..19047, 18821..18910, 18854..19048, 18949..19047		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27527	Strand	-
Start	48507	End	52303
Name	OJ991111_16.0103.C2.o1.tw	Method	TBLASTX:Wheat
Start	19051	End	19432
GI	none	Score	108
Exons	19051..19431, 19187..19330, 19252..19431, 19355..19432		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27527	Strand	-
Start	48507	End	52303
Name	OJ991111_16.0103.C2.o4.tm	Method	TBLASTX:Maize
Start	19229	End	19569
GI	none	Score	163
Exons	19229..19540, 19246..19569, 19255..19548		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27527	Strand	-
Start	48507	End	52303
Name	OJ991111_16.0103.C2.o3.tw	Method	TBLASTX:Wheat
Start	19974	End	20404
GI	none	Score	68
Exons	19974..20066, 19975..20067, 20060..20107, 20061..20105, 20108..20218, 20108..20230, 20121..20225, 20294..20395, 20297..20404		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27527	Strand	-
Start	48507	End	52303
Name	OJ991111_16.0103.C2.o4.tw	Method	TBLASTX:Wheat
Start	20553	End	20816
GI	none	Score	155
Exons	20553..20816, 20623..20799		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27527	Strand	-
Start	48507	End	52303
Name	OJ991111_16.0103.C2.o3.tc	Method	TBLASTX:Cress
Start	24500	End	25694
GI	none	Score	74
Exons	24500..24568, 24656..24730, 24657..24731, 25461..25589, 25469..25672, 25469..25693, 25620..25694		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27527	Strand	-
Start	48507	End	52303
Name	OJ991111_16.0103.C2.o6.tm	Method	TBLASTX:Maize
Start	24509	End	24834
GI	none	Score	158
Exons	24509..24577, 24617..24796, 24621..24797, 24673..24834		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27527	Strand	-
Start	48507	End	52303
Name	OJ991111_16.0103.C2.o3.ts	Method	TBLASTX:Soybean
Start	25280	End	25654
GI	none	Score	70
Exons	25280..25369, 25305..25364, 25436..25654, 25480..25641, 25503..25649		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27527	Strand	-
Start	48507	End	52303
Name	OJ991111_16.0103.C2.o3.tm	Method	TBLASTX:Maize
Start	25301	End	25711
GI	none	Score	55
Exons	25301..25369, 25302..25370, 25459..25683, 25460..25687, 25472..25711, 25500..25697		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27527	Strand	-
Start	48507	End	52303
Name	OJ991111_16.0103.C2.o4.ts	Method	TBLASTX:Soybean
Start	36479	End	40783
GI	none	Score	39
Exons	36479..36532, 36652..36732, 37775..37837, 37920..37985, 38087..38116, 38215..38292, 38465..38542, 38466..38537, 39178..39237, 39185..39250, 39187..39240, 39291..39371, 39323..39370, 39430..39501, 39432..39500, 39833..39886, 39948..40022, 39956..40030, 39957..40028, 40104..40193, 40104..40160, 40106..40174, 40269..40346, 40419..40529, 40426..40530, 40661..40783, 40665..40769		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27527	Strand	-
Start	48507	End	52303
Name	OJ991111_16.0103.C2.o5.tm	Method	TBLASTX:Maize
Start	36486	End	41116
GI	none	Score	47
Exons	36486..36533, 36640..36723, 36835..36984, 36839..36979, 36861..36992, 37774..37857, 37775..37837, 37920..37985, 37925..37984, 38084..38128, 38087..38116, 38215..38292, 38223..38279, 38465..38530, 38466..38537, 39184..39249, 39185..39250, 39291..39371, 39323..39370, 39421..39501, 39432..39500, 39832..39891, 39833..39886, 39948..40022, 39957..40028, 39985..40029, 40104..40193, 40104..40151, 40106..40159, 40265..40339, 40269..40346, 40281..40361, 40414..40527, 40426..40530, 40428..40529, 40661..40783, 40665..40781, 41033..41116		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27527	Strand	-
Start	48507	End	52303
Name	OJ991111_16.0103.C2.o4.tc	Method	TBLASTX:Cress
Start	39833	End	40781
GI	none	Score	64
Exons	39833..39886, 39956..40030, 39957..40028, 40104..40193, 40265..40339, 40269..40346, 40425..40529, 40426..40530, 40661..40780, 40665..40781		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27527	Strand	-
Start	48507	End	52303
Name	OJ991111_16.0103.C2.o8.np	Method	AAT/NAP
Start	48507	End	52303
GI	6815052	Score	2277
Exons	48507..48625, 48908..48982, 49064..49801, 49850..49985, 50768..50860, 51728..51827, 52125..52303		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	13032	Seq. ID	OJ991111_16.0103.C2
Gene No.	27527	Strand	-
Start	48507	End	52303
Name	OJ991111_16.0103.C2.o2.tw	Method	TBLASTX:Wheat
Start	50040	End	50534
GI	none	Score	65
Exons	50040..50534, 50140..50298, 50244..50510		

Seq. No.	13033	Seq. ID	OJ991111_16.0103.C3
Gene No.	27528	Strand	+
Start	6050	End	9364
Name	OJ991111_16.0103.C3.o4.gs	Method	GENSCAN
Start	6050	End	9214
GI	none	Score	.45
Exons	6050..6328, 8263..8434, 8584..8817, 8945..8997, 9098..9214		

Seq. No.	13033	Seq. ID	OJ991111_16.0103.C3
Gene No.	27528	Strand	+
Start	6050	End	9364

Name	OJ991111_16.0103.C3.o3.np	Method	AAT/NAP
Start	8685	End	9211
GI	6815054	Score	432
Exons	8685..8817, 8945..8997, 9098..9211		
GI Descrip.	(AP001080) EST AU078096(C53806) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	13033	Seq. ID	OJ991111_16.0103.C3
Gene No.	27528	Strand	+
Start	6050	End	9364
Name	OJ991111_16.0103.C3.o1.gp	Method	AAT/GAP
Start	8749	End	9364
GI	5816499	Score	718
Exons	8749..8817, 8945..8997, 9098..9364		

Seq. No.	13033	Seq. ID	OJ991111_16.0103.C3
Gene No.	27529	Strand	+
Start	11190	End	14580
Name	OJ991111_16.0103.C3.o2.gp	Method	AAT/GAP
Start	11190	End	14497
GI	none	Score	625
Exons	11190..11219, 11248..11384, 11787..11837, 12128..12179, 12758..12816, 13636..13681, 14459..14497		

Seq. No.	13033	Seq. ID	OJ991111_16.0103.C3
Gene No.	27529	Strand	+
Start	11190	End	14580
Name	OJ991111_16.0103.C3.o4.np	Method	AAT/NAP
Start	11301	End	14580
GI	6815055	Score	584
Exons	11301..11384, 11787..11837, 12128..12179, 12758..12816, 13636..13681, 14459..14580		
GI Descrip.	(AP001080) EST AU081527(C53732) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	13033	Seq. ID	OJ991111_16.0103.C3
Gene No.	27530	Strand	+
Start	14622	End	14877
Name	OJ991111_16.0103.C3.o3.gp	Method	AAT/GAP
Start	14622	End	14877
GI	none	Score	472
Exons	14622..14877		

Seq. No.	13033	Seq. ID	OJ991111_16.0103.C3
Gene No.	27531	Strand	+
Start	17622	End	17791
Name	OJ991111_16.0103.C3.o5.np	Method	AAT/NAP
Start	17622	End	17791
GI	6815056	Score	279
Exons	17622..17791		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	13033	Seq. ID	OJ991111_16.0103.C3
Gene No.	27532	Strand	-
Start	1	End	241
Name	OJ991111_16.0103.C3.o1.np	Method	AAT/NAP
Start	1	End	241

GI	6815052	Score	252
Exons	1..241		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	13033	Seq. ID	OJ991111_16.0103.C3
Gene No.	27532	Strand	-
Start	1	End	241
Name	OJ991111_16.0103.C3.o1.gs	Method	GENSCAN
Start	88	End	241
GI	none	Score	.92
Exons	88..241		

Seq. No.	13033	Seq. ID	OJ991111_16.0103.C3
Gene No.	27533	Strand	-
Start	1280	End	1560
Name	OJ991111_16.0103.C3.o2.gs	Method	GENSCAN
Start	1280	End	1560
GI	none	Score	.58
Exons	1280..1364, 1376..1560		

Seq. No.	13033	Seq. ID	OJ991111_16.0103.C3
Gene No.	27534	Strand	-
Start	4330	End	5441
Name	OJ991111_16.0103.C3.o3.gs	Method	GENSCAN
Start	4330	End	5441
GI	none	Score	.82
Exons	4330..4570, 4620..4795, 5295..5441		

Seq. No.	13033	Seq. ID	OJ991111_16.0103.C3
Gene No.	27534	Strand	-
Start	4330	End	5441
Name	OJ991111_16.0103.C3.o2.np	Method	AAT/NAP
Start	4333	End	5441
GI	6815053	Score	923
Exons	4333..4570, 4620..4795, 5295..5441		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	13033	Seq. ID	OJ991111_16.0103.C3
Gene No.	27535	Strand	-
Start	14502	End	17708
Name	OJ991111_16.0103.C3.o6.gs	Method	GENSCAN
Start	14502	End	17708
GI	none	Score	.79
Exons	14502..14584, 15388..15511, 15823..15914, 15991..16049, 16214..16315, 17581..17708		

Seq. No.	13034	Seq. ID	OJ991111_16.0103.C4
Gene No.	27536	Strand	+
Start	1	End	543
Name	OJ991111_16.0103.C4.o1.np	Method	AAT/NAP
Start	1	End	540
GI	6815056	Score	931
Exons	1..540		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	13034	Seq. ID	OJ991111_16.0103.C4
Gene No.	27536	Strand	+

Start	1	End	543
Name	OJ991111_16.0103.C4.o1.gs	Method	GENSCAN
Start	66	End	543
GI	none	Score	.77
Exons	66..543		

Seq. No.	13035	Seq. ID	OJ991111_16.0103.C5
Gene No.	27537	Strand	+
Start	1	End	345
Name	OJ991111_16.0103.C5.o1.np	Method	AAT/NAP
Start	1	End	345
GI	6815056	Score	599
Exons	1..345		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	13036	Seq. ID	OJ991011_15.0103.C1
Gene No.	27538	Strand	+
Start	676	End	1145
Name	OJ991011_15.0103.C1.o1.gp	Method	AAT/GAP
Start	676	End	1145
GI	none	Score	870
Exons	676..1145		

Seq. No.	13036	Seq. ID	OJ991011_15.0103.C1
Gene No.	27539	Strand	+
Start	5419	End	7321
Name	OJ991011_15.0103.C1.o2.gs	Method	GENSCAN
Start	5419	End	7289
GI	none	Score	.51
Exons	5419..5692, 5801..6208, 6260..6387, 6799..6987, 7206..7289		

Seq. No.	13036	Seq. ID	OJ991011_15.0103.C1
Gene No.	27539	Strand	+
Start	5419	End	7321
Name	OJ991011_15.0103.C1.o2.np	Method	AAT/NAP
Start	5440	End	7321
GI	6705984	Score	432
Exons	5440..5942, 7214..7321		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	13036	Seq. ID	OJ991011_15.0103.C1
Gene No.	27539	Strand	+
Start	5419	End	7321
Name	OJ991011_15.0103.C1.o3.np	Method	AAT/NAP
Start	6053	End	7321
GI	6498436	Score	425
Exons	6053..6763, 6863..6987, 7232..7321		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	13036	Seq. ID	OJ991011_15.0103.C1
Gene No.	27540	Strand	-
Start	303	End	4207
Name	OJ991011_15.0103.C1.o1.gs	Method	GENSCAN
Start	303	End	4207
GI	none	Score	.42
Exons	303..1290, 1393..1533, 2022..2439, 2572..3195, 3579..3695, 4171..4207		

Seq. No.	13036	Seq. ID	OJ991011_15.0103.C1
Gene No.	27541	Strand	
Start	5479	End	6001
Name	OJ991011_15.0103.C1.o1.tw	Method	TBLASTX:Wheat
Start	5479	End	5919
GI	none	Score	267
Exons	5479..5736, 5491..5730, 5508..5735, 5735..5821, 5749..5919, 5759..5827, 5760..5900		

Seq. No.	13036	Seq. ID	OJ991011_15.0103.C1
Gene No.	27541	Strand	
Start	5479	End	6001
Name	OJ991011_15.0103.C1.o1.ts	Method	TBLASTX:Soybean
Start	5512	End	6001
GI	none	Score	169
Exons	5512..5781, 5553..5777, 5569..5781, 5773..5931, 5790..5894, 5981..6001		

Seq. No.	13036	Seq. ID	OJ991011_15.0103.C1
Gene No.	27541	Strand	
Start	5479	End	6001
Name	OJ991011_15.0103.C1.o1.tm	Method	TBLASTX:Maize
Start	5701	End	5952
GI	none	Score	197
Exons	5701..5934, 5728..5952		

Seq. No.	13037	Seq. ID	OJ991011_15.0103.C2
Gene No.	27542	Strand	+
Start	102	End	473
Name	OJ991011_15.0103.C2.o1.gs	Method	GENSCAN
Start	102	End	473
GI	none	Score	.98
Exons	102..473		

Seq. No.	13037	Seq. ID	OJ991011_15.0103.C2
Gene No.	27543	Strand	-
Start	1762	End	3068
Name	OJ991011_15.0103.C2.o2.gs	Method	GENSCAN
Start	1762	End	3068
GI	none	Score	.53
Exons	1762..1926, 2070..2123, 3015..3068		

Seq. No.	13038	Seq. ID	OJ991011_15.0103.C3
Gene No.	27544	Strand	+
Start	479	End	2060
Name	OJ991011_15.0103.C3.o1.gs	Method	GENSCAN
Start	479	End	2060
GI	none	Score	.73
Exons	479..644, 976..1153, 1802..2060		

Seq. No.	13038	Seq. ID	OJ991011_15.0103.C3
Gene No.	27545	Strand	+
Start	3819	End	4365
Name	OJ991011_15.0103.C3.o2.gp	Method	AAT/GAP
Start	3819	End	4365
GI	39569_1.R1084	Score	1076

Exons	3819..4365		
GI Descrip.	'5103848/gb|AAD39678.1|AC007591_43 5.0e-13 (AC007591) F9L1.16 [Arabidopsis thaliana]'		

Seq. No.	13038	Seq. ID	OJ991011_15.0103.C3
Gene No.	27546	Strand	+
Start	10475	End	16590
Name	OJ991011_15.0103.C3.o1.np	Method	AAT/NAP
Start	10475	End	16554
GI	5922631	Score	6630
Exons	10475..10599, 10858..11102, 11361..11554, 11600..12170, 12213..12370, 12497..13424, 14031..16554		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	13038	Seq. ID	OJ991011_15.0103.C3
Gene No.	27546	Strand	+
Start	10475	End	16590
Name	OJ991011_15.0103.C3.o4.gs	Method	GENSCAN
Start	15759	End	16590
GI	none	Score	.63
Exons	15759..15957, 16508..16590		

Seq. No.	13038	Seq. ID	OJ991011_15.0103.C3
Gene No.	27547	Strand	+
Start	16916	End	17233
Name	OJ991011_15.0103.C3.o5.gs	Method	GENSCAN
Start	16916	End	17233
GI	none	Score	.89
Exons	16916..17233		

Seq. No.	13038	Seq. ID	OJ991011_15.0103.C3
Gene No.	27548	Strand	+
Start	17339	End	24685
Name	OJ991011_15.0103.C3.o3.np	Method	AAT/NAP
Start	17339	End	19826
GI	6815109	Score	109
Exons	17339..17433, 17571..17706, 19754..19826		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	13038	Seq. ID	OJ991011_15.0103.C3
Gene No.	27548	Strand	+
Start	17339	End	24685
Name	OJ991011_15.0103.C3.o6.gs	Method	GENSCAN
Start	18530	End	23832
GI	none	Score	.61
Exons	18530..19092, 19158..19634, 19881..20621, 20664..20817, 21139..21296, 21552..21642, 21734..21835, 22405..22590, 22676..22884, 22990..23082, 23143..23284, 23331..23459, 23530..23832		

Seq. No.	13038	Seq. ID	OJ991011_15.0103.C3

Gene No.	27548	Strand	+
Start	17339	End	24685
Name	OJ991011_15.0103.C3.o4.np	Method	AAT/NAP
Start	19843	End	24685
GI	6815062	Score	2541
Exons	19843..21348, 21572..21642, 21734..22590, 22676..22916, 22975..23284, 23361..23459, 23530..23583, 23690..23861, 24354..24685		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	13038	Seq. ID	OJ991011_15.0103.C3
Gene No.	27549	Strand	-
Start	1	End	86
Name	OJ991011_15.0103.C3.o1.gp	Method	AAT/GAP
Start	1	End	86
GI	LIB3477-003-P1-K1-E9	Score	150
Exons	1..86		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	13038	Seq. ID	OJ991011_15.0103.C3
Gene No.	27550	Strand	-
Start	4315	End	9439
Name	OJ991011_15.0103.C3.o2.gs	Method	GENSCAN
Start	4315	End	9439
GI	none	Score	.77
Exons	4315..4695, 5261..5380, 5785..5928, 6865..7001, 8447..8612, 8707..8915, 9376..9439		

Seq. No.	13038	Seq. ID	OJ991011_15.0103.C3
Gene No.	27550	Strand	-
Start	4315	End	9439
Name	OJ991011_15.0103.C3.o3.gp	Method	AAT/GAP
Start	5860	End	8879
GI	3762879	Score	928
Exons	5860..5924, 6346..6400, 8093..8156, 8446..8612, 8707..8879		
GI Descrip.	5103848/gb|AAD39678.1|AC007591_43 5.0e-13 (AC007591) F9L1.16 [Arabidopsis thaliana]		

Seq. No.	13038	Seq. ID	OJ991011_15.0103.C3
Gene No.	27551	Strand	-
Start	16922	End	20132
Name	OJ991011_15.0103.C3.o2.np	Method	AAT/NAP
Start	16922	End	20132
GI	6691716	Score	432
Exons	16922..17297, 20084..20132		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	13038	Seq. ID	OJ991011_15.0103.C3
Gene No.	27552	Strand	-
Start	24339	End	24563
Name	OJ991011_15.0103.C3.o7.tm	Method	TBLASTX:Maize

Start	5875	End	8893
GI	none	Score	86
Exons	5875..5928, 5879..5929, 8092..8166, 8093..8158, 8502..8534, 8557..8622, 8560..8616, 8704..8892, 8705..8893		

Seq. No.	13038	Seq. ID	OJ991011_15.0103.C3
Gene No.	27552	Strand	-
Start	24339	End	24563
Name	OJ991011_15.0103.C3.o1.tc	Method	TBLASTX:Cress
Start	8529	End	8893
GI	none	Score	178
Exons	8529..8615, 8704..8892, 8708..8893		

Seq. No.	13038	Seq. ID	OJ991011_15.0103.C3
Gene No.	27552	Strand	-
Start	24339	End	24563
Name	OJ991011_15.0103.C3.o8.tw	Method	TBLASTX:Wheat
Start	11782	End	12184
GI	none	Score	261
Exons	11782..11844, 11783..12184		

Seq. No.	13038	Seq. ID	OJ991011_15.0103.C3
Gene No.	27552	Strand	-
Start	24339	End	24563
Name	OJ991011_15.0103.C3.o7.tw	Method	TBLASTX:Wheat
Start	12764	End	13221
GI	none	Score	137
Exons	12764..12940, 12983..13219, 12985..13221		

Seq. No.	13038	Seq. ID	OJ991011_15.0103.C3
Gene No.	27552	Strand	-
Start	24339	End	24563
Name	OJ991011_15.0103.C3.o2.tw	Method	TBLASTX:Wheat
Start	13406	End	13765
GI	none	Score	403
Exons	13406..13765, 13420..13764		

Seq. No.	13038	Seq. ID	OJ991011_15.0103.C3
Gene No.	27552	Strand	-
Start	24339	End	24563
Name	OJ991011_15.0103.C3.o4.tm	Method	TBLASTX:Maize
Start	13571	End	13927
GI	none	Score	352
Exons	13571..13927, 13612..13917		

Seq. No.	13038	Seq. ID	OJ991011_15.0103.C3
Gene No.	27552	Strand	-
Start	24339	End	24563
Name	OJ991011_15.0103.C3.o1.tw	Method	TBLASTX:Wheat
Start	13796	End	14215
GI	none	Score	453
Exons	13796..14215, 13798..14214		

Seq. No.	13038	Seq. ID	OJ991011_15.0103.C3
Gene No.	27552	Strand	-
Start	24339	End	24563
Name	OJ991011_15.0103.C3.o1.ts	Method	TBLASTX:Soybean

Start	14090	End	14490
GI	none	Score	191
Exons	14090..14302, 14107..14250, 14123..14293, 14316..14456, 14317..14490		

Seq. No.	13038	Seq. ID	OJ991011_15.0103.C3
Gene No.	27552	Strand	-
Start	24339	End	24563
Name	OJ991011_15.0103.C3.o6.tm	Method	TBLASTX:Maize
Start	14158	End	14601
GI	none	Score	166
Exons	14158..14340, 14159..14323, 14313..14411, 14314..14412, 14434..14577, 14446..14565, 14575..14601		

Seq. No.	13038	Seq. ID	OJ991011_15.0103.C3
Gene No.	27552	Strand	-
Start	24339	End	24563
Name	OJ991011_15.0103.C3.o5.tw	Method	TBLASTX:Wheat
Start	14261	End	14688
GI	none	Score	66
Exons	14261..14320, 14314..14688, 14316..14468		

Seq. No.	13038	Seq. ID	OJ991011_15.0103.C3
Gene No.	27552	Strand	-
Start	24339	End	24563
Name	OJ991011_15.0103.C3.o2.ts	Method	TBLASTX:Soybean
Start	14716	End	15104
GI	none	Score	84
Exons	14716..14820, 14724..14810, 14856..15104, 14860..15102		

Seq. No.	13038	Seq. ID	OJ991011_15.0103.C3
Gene No.	27552	Strand	-
Start	24339	End	24563
Name	OJ991011_15.0103.C3.o3.tw	Method	TBLASTX:Wheat
Start	14725	End	15147
GI	none	Score	383
Exons	14725..15147, 14730..15071		

Seq. No.	13038	Seq. ID	OJ991011_15.0103.C3
Gene No.	27552	Strand	-
Start	24339	End	24563
Name	OJ991011_15.0103.C3.o2.tm	Method	TBLASTX:Maize
Start	15459	End	15785
GI	none	Score	168
Exons	15459..15623, 15460..15624, 15599..15784, 15609..15785		

Seq. No.	13038	Seq. ID	OJ991011_15.0103.C3
Gene No.	27552	Strand	-
Start	24339	End	24563
Name	OJ991011_15.0103.C3.o6.tw	Method	TBLASTX:Wheat
Start	15599	End	15964
GI	none	Score	341
Exons	15599..15964, 15609..15959		

Seq. No.	13038	Seq. ID	OJ991011_15.0103.C3
Gene No.	27552	Strand	-
Start	24339	End	24563

Name	OJ991011_15.0103.C3.o4.tw	Method	TBLASTX:Wheat
Start	15966	End	16560
GI	none	Score	75
Exons	15966..16034, 15986..16033, 16033..16455, 16125..16256, 16441..16560		

Seq. No.	13038	Seq. ID	OJ991011_15.0103.C3
Gene No.	27552	Strand	-
Start	24339	End	24563
Name	OJ991011_15.0103.C3.o8.tm	Method	TBLASTX:Maize
Start	16288	End	16539
GI	none	Score	139
Exons	16288..16458, 16437..16535, 16438..16539		

Seq. No.	13038	Seq. ID	OJ991011_15.0103.C3
Gene No.	27552	Strand	-
Start	24339	End	24563
Name	OJ991011_15.0103.C3.o1.tm	Method	TBLASTX:Maize
Start	19884	End	20451
GI	none	Score	42
Exons	19884..19976, 19885..20034, 20061..20297, 20061..20429, 20062..20451		

Seq. No.	13038	Seq. ID	OJ991011_15.0103.C3
Gene No.	27552	Strand	-
Start	24339	End	24563
Name	OJ991011_15.0103.C3.o3.tm	Method	TBLASTX:Maize
Start	21935	End	22437
GI	none	Score	96
Exons	21935..22069, 22038..22433, 22099..22437		

Seq. No.	13038	Seq. ID	OJ991011_15.0103.C3
Gene No.	27552	Strand	-
Start	24339	End	24563
Name	OJ991011_15.0103.C3.o5.tm	Method	TBLASTX:Maize
Start	22676	End	23284
GI	none	Score	228
Exons	22676..22885, 22726..22884, 22973..23059, 23099..23284		

Seq. No.	13038	Seq. ID	OJ991011_15.0103.C3
Gene No.	27552	Strand	-
Start	24339	End	24563
Name	OJ991011_15.0103.C3.o7.gs	Method	GENSCAN
Start	24339	End	24563
GI	none	Score	.95
Exons	24339..24563		

Seq. No.	13039	Seq. ID	OJ991011_15.0103.C4
Gene No.	27553	Strand	+
Start	1	End	4216
Name	OJ991011_15.0103.C4.o1.np	Method	AAT/NAP
Start	1	End	2504
GI	6815109	Score	115
Exons	1..191, 1190..1315, 2458..2504		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	13039	Seq. ID	OJ991011_15.0103.C4

Gene No.	27553	Strand	+
Start	1	End	4216
Name	OJ991011_15.0103.C4.o2.np	Method	AAT/NAP
Start	1	End	4216
GI	5042454	Score	282
Exons	1..171, 510..652, 1222..1597, 3223..3358, 3985..4216		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	13039	Seq. ID	OJ991011_15.0103.C4
Gene No.	27553	Strand	+
Start	1	End	4216
Name	OJ991011_15.0103.C4.o3.np	Method	AAT/NAP
Start	2894	End	3721
GI	6815109	Score	154
Exons	2894..3092, 3567..3721		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	13039	Seq. ID	OJ991011_15.0103.C4
Gene No.	27553	Strand	+
Start	1	End	4216
Name	OJ991011_15.0103.C4.o4.np	Method	AAT/NAP
Start	3590	End	3721
GI	6815109	Score	156
Exons	3590..3721		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	13039	Seq. ID	OJ991011_15.0103.C4
Gene No.	27554	Strand	+
Start	15427	End	19458
Name	OJ991011_15.0103.C4.o4.gs	Method	GENSCAN
Start	15427	End	19458
GI	none	Score	.91
Exons	15427..15498, 18931..19458		

Seq. No.	13039	Seq. ID	OJ991011_15.0103.C4
Gene No.	27555	Strand	+
Start	22621	End	23547
Name	OJ991011_15.0103.C4.o6.gs	Method	GENSCAN
Start	22621	End	23547
GI	none	Score	.85
Exons	22621..23547		

Seq. No.	13039	Seq. ID	OJ991011_15.0103.C4
Gene No.	27556	Strand	-
Start	3319	End	7289
Name	OJ991011_15.0103.C4.o5.np	Method	AAT/NAP
Start	3319	End	7289
GI	6691716	Score	1968
Exons	3319..3345, 4788..4880, 4952..5065, 5216..5317, 5389..5537, 5615..5753, 5829..5979, 6054..6233, 6428..7289		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	13039	Seq. ID	OJ991011_15.0103.C4
Gene No.	27556	Strand	-
Start	3319	End	7289

Name	OJ991011_15.0103.C4.o2.gs	Method	GENSCAN
Start	4506	End	7289
GI	none	Score	.62
Exons	4506..4521, 4781..4859, 4952..5095, 5128..5347, 5389..5537, 5615..5861, 6137..6343, 6428..6761, 6919..7289		

Seq. No.	13039	Seq. ID	OJ991011_15.0103.C4
Gene No.	27557	Strand	-
Start	11683	End	13149
Name	OJ991011_15.0103.C4.o3.gs	Method	GENSCAN
Start	11683	End	13149
GI	none	Score	.45
Exons	11683..11798, 12218..12375, 13100..13149		

Seq. No.	13039	Seq. ID	OJ991011_15.0103.C4
Gene No.	27558	Strand	-
Start	20249	End	30330
Name	OJ991011_15.0103.C4.o6.np	Method	AAT/NAP
Start	20232	End	30330
GI	4056437	Score	1305
Exons	20232..20623, 21030..21254, 21294..21418, 21528..21593, 21974..22424, 22473..22680, 22954..23108, 23200..23529, 30087..30330		
GI Descrip.	(AC005990) Strong similarity to PFAM PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	13039	Seq. ID	OJ991011_15.0103.C4
Gene No.	27558	Strand	-
Start	20249	End	30330
Name	OJ991011_15.0103.C4.o5.gs	Method	GENSCAN
Start	20249	End	22373
GI	none	Score	.99
Exons	20249..20623, 21030..21254, 21348..21463, 21528..21614, 21974..22373		

Seq. No.	13039	Seq. ID	OJ991011_15.0103.C4
Gene No.	27558	Strand	-
Start	20249	End	30330
Name	OJ991011_15.0103.C4.o7.gs	Method	GENSCAN
Start	27365	End	29261
GI	none	Score	.48
Exons	27365..27473, 29248..29261		

Seq. No.	13039	Seq. ID	OJ991011_15.0103.C4
Gene No.	27559	Strand	-
Start	30318	End	31065
Name	OJ991011_15.0103.C4.o3.tw	Method	TBLASTX:Wheat
Start	6927	End	7133
GI	none	Score	184
Exons	6927..7133		

Seq. No.	13039	Seq. ID	OJ991011_15.0103.C4
Gene No.	27559	Strand	-
Start	30318	End	31065
Name	OJ991011_15.0103.C4.o2.ts	Method	TBLASTX:Soybean
Start	20294	End	21616
GI	none	Score	122

Exons	20294..20623, 20337..20540, 21021..21248, 21030..21323, 21031..21264, 21345..21416, 21387..21419, 21518..21616, 21526..21615		
Seq. No.	13039	Seq. ID	OJ991011_15.0103.C4
Gene No.	27559	Strand	-
Start	30318	End	31065
Name	OJ991011_15.0103.C4.o1.tm	Method	TBLASTX:Maize
Start	20444	End	22283
GI	none	Score	90
Exons	20444..20623, 20445..20546, 21030..21257, 21030..21320, 21034..21264, 21345..21416, 21346..21417, 21526..21603, 21527..21604, 21969..22283, 21979..22272 .		
Seq. No.	13039	Seq. ID	OJ991011_15.0103.C4
Gene No.	27559	Strand	-
Start	30318	End	31065
Name	OJ991011_15.0103.C4.o2.tc	Method	TBLASTX:Cress
Start	21021	End	21239
GI	none	Score	77
Exons	21021..21128, 21030..21239, 21031..21201		
Seq. No.	13039	Seq. ID	OJ991011_15.0103.C4
Gene No.	27559	Strand	-
Start	30318	End	31065
Name	OJ991011_15.0103.C4.o1.tw	Method	TBLASTX:Wheat
Start	21030	End	21264
GI	none	Score	102
Exons	21030..21116, 21031..21123, 21115..21264, 21117..21260		
Seq. No.	13039	Seq. ID	OJ991011_15.0103.C4
Gene No.	27559	Strand	-
Start	30318	End	31065
Name	OJ991011_15.0103.C4.o1.tc	Method	TBLASTX:Cress
Start	21521	End	22283
GI	none	Score	94
Exons	21521..21616, 21523..21615, 21969..22283, 21973..22281		
Seq. No.	13039	Seq. ID	OJ991011_15.0103.C4
Gene No.	27559	Strand	-
Start	30318	End	31065
Name	OJ991011_15.0103.C4.o1.ts	Method	TBLASTX:Soybean
Start	21958	End	22283
GI	none	Score	232
Exons	21958..22278, 21972..22283		
Seq. No.	13039	Seq. ID	OJ991011_15.0103.C4
Gene No.	27559	Strand	-
Start	30318	End	31065
Name	OJ991011_15.0103.C4.o2.tw	Method	TBLASTX:Wheat
Start	22047	End	22268
GI	none	Score	130
Exons	22047..22268, 22087..22263		
Seq. No.	13039	Seq. ID	OJ991011_15.0103.C4
Gene No.	27559	Strand	-
Start	30318	End	31065

Name	OJ991011_15.0103.C4.o8.gs	Method	GENSCAN
Start	30318	End	31065
GI	none	Score	.79
Exons	30318..30670, 30687..31065		

Seq. No.	13040	Seq. ID	OJ991011_15.0103.C5
Gene No.	27560	Strand	+
Start	446	End	567
Name	OJ991011_15.0103.C5.o1.gs	Method	GENSCAN
Start	446	End	567
GI	none	Score	.61
Exons	446..497, 557..567		

Seq. No.	13040	Seq. ID	OJ991011_15.0103.C5
Gene No.	27561	Strand	+
Start	2580	End	7855
Name	OJ991011_15.0103.C5.o1.np	Method	AAT/NAP
Start	2580	End	7852
GI	6016586	Score	2356
Exons	2580..2705, 4775..5017, 5104..5220, 5365..5425, 5531..5619, 5736..5809, 5919..6007, 6130..6179, 6284..6324, 6453..6626, 6765..6800, 6931..7059, 7475..7852		
GI Descrip.	MLO PROTEIN HOMOLOG 1 gi|2765819|emb|CAB08606| (Z95353) OsMlo-h1 [Oryza sativa]		

Seq. No.	13040	Seq. ID	OJ991011_15.0103.C5
Gene No.	27561	Strand	+
Start	2580	End	7855
Name	OJ991011_15.0103.C5.o3.gs	Method	GENSCAN
Start	4826	End	7855
GI	none	Score	.86
Exons	4826..5017, 5104..5220, 5547..5619, 5736..5761, 5919..6007, 6130..6179, 6466..6593, 6931..7059, 7475..7855		

Seq. No.	13040	Seq. ID	OJ991011_15.0103.C5
Gene No.	27562	Strand	+
Start	11997	End	15235
Name	OJ991011_15.0103.C5.o2.np	Method	AAT/NAP
Start	11997	End	15235
GI	5852093	Score	62
Exons	11997..12030, 13400..13507, 15170..15235		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	13040	Seq. ID	OJ991011_15.0103.C5
Gene No.	27563	Strand	-
Start	1787	End	2873
Name	OJ991011_15.0103.C5.o2.gs	Method	GENSCAN
Start	1787	End	2873
GI	none	Score	.74
Exons	1787..1906, 2317..2421, 2550..2873		

Seq. No.	13040	Seq. ID	OJ991011_15.0103.C5
Gene No.	27564	Strand	-
Start	11192	End	11410
Name	OJ991011_15.0103.C5.o4.gs	Method	GENSCAN
Start	11192	End	11410
GI	none	Score	.96

Exons	11192..11410		
Seq. No.	13040	Seq. ID	OJ991011_15.0103.C5
Gene No.	27565	Strand	-
Start	13889	End	14761
Name	OJ991011_15.0103.C5.o1.ts	Method	TBLASTX:Soybean
Start	5101	End	6638
GI	none	Score	145
Exons	5101..5223, 5244..5288, 5365..5418, 5530..5628, 5736..5777, 5777..5815, 5939..6007, 5940..6017, 6137..6181, 6452..6613, 6453..6620, 6516..6638		
Seq. No.	13040	Seq. ID	OJ991011_15.0103.C5
Gene No.	27565	Strand	-
Start	13889	End	14761
Name	OJ991011_15.0103.C5.o2.tm	Method	TBLASTX:Maize
Start	5101	End	5993
GI	none	Score	145
Exons	5101..5223, 5244..5288, 5365..5418, 5530..5628, 5736..5777, 5777..5815, 5939..5992, 5940..5993		
Seq. No.	13040	Seq. ID	OJ991011_15.0103.C5
Gene No.	27565	Strand	-
Start	13889	End	14761
Name	OJ991011_15.0103.C5.o1.tm	Method	TBLASTX:Maize
Start	6452	End	7020
GI	none	Score	246
Exons	6452..6625, 6453..6623, 6457..6624, 6761..6802, 6762..6803, 6915..7007, 6916..7020		
Seq. No.	13040	Seq. ID	OJ991011_15.0103.C5
Gene No.	27565	Strand	-
Start	13889	End	14761
Name	OJ991011_15.0103.C5.o2.gp	Method	AAT/GAP
Start	13664	End	14761
GI	none	Score	970
Exons	13664..13960, 14051..14102, 14179..14240, 14436..14470, 14564..14606, 14676..14761		
Seq. No.	13040	Seq. ID	OJ991011_15.0103.C5
Gene No.	27565	Strand	-
Start	13889	End	14761
Name	OJ991011_15.0103.C5.o5.gs	Method	GENSCAN
Start	13889	End	14483
GI	none	Score	.66
Exons	13889..13960, 14051..14102, 14179..14240, 14436..14483		
Seq. No.	13041	Seq. ID	OJ991011_15.0103.C6
Gene No.	27566	Strand	+
Start	142	End	271
Name	OJ991011_15.0103.C6.o1.gs	Method	GENSCAN
Start	142	End	271
GI	none	Score	.41
Exons	142..271		
Seq. No.	13042	Seq. ID	OJ991201_14.0118.C1
Gene No.	27567	Strand	+

Start	2074	End	2225
Name	OJ991201_14.0118.C1.o1.gp	Method	AAT/GAP
Start	2074	End	2225
GI	none	Score	241
Exons	2074..2225		

Seq. No.	13043	Seq. ID	OJ991201_14.0118.C2
Gene No.	27568	Strand	-
Start	1514	End	1599
Name	OJ991201_14.0118.C2.o1.gp	Method	AAT/GAP
Start	1514	End	1599
GI	LIB3477-003-P1-K1-E9	Score	100
Exons	1514..1599		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	13044	Seq. ID	OJ991201_14.0118.C3
Gene No.	27569	Strand	+
Start	3240	End	3789
Name	OJ991201_14.0118.C3.o2.gs	Method	GENSCAN
Start	3240	End	3789
GI	none	Score	.76
Exons	3240..3279, 3344..3789		

Seq. No.	13044	Seq. ID	OJ991201_14.0118.C3
Gene No.	27570	Strand	+
Start	14109	End	15812
Name	OJ991201_14.0118.C3.o6.gs	Method	GENSCAN
Start	14109	End	15812
GI	none	Score	.99
Exons	14109..15026, 15174..15812		

Seq. No.	13044	Seq. ID	OJ991201_14.0118.C3
Gene No.	27570	Strand	+
Start	14109	End	15812
Name	OJ991201_14.0118.C3.o3.np	Method	AAT/NAP
Start	14139	End	15803
GI	3913192	Score	1013
Exons	14139..15026, 15174..15803		
GI Descrip.	CYTOCHROME P450 93A1 gi|2129824|pir||S62899 cytochrome P450 (CYP93 A1) - soybean gi|1232111|dbj|BAA12159| (D83968) Cytochrome P-450 (CYP93A1) [Glycine max] gi|1588679|prf||2209281A cytochrome P450 [Glycine max]		

Seq. No.	13044	Seq. ID	OJ991201_14.0118.C3
Gene No.	27571	Strand	+
Start	18339	End	24799
Name	OJ991201_14.0118.C3.o3.gp	Method	AAT/GAP
Start	18273	End	18488
GI	3107865	Score	404
Exons	18273..18488		
GI Descrip.	5757804/gb|AAD50592.1|AF093752_1 2.0e-15 (AF093752) phytochelatin synthase [Triticum aestivum]		

Seq. No.	13044	Seq. ID	OJ991201_14.0118.C3
Gene No.	27571	Strand	+

Start	18339	End	24799
Name	OJ991201_14.0118.C3.o7.gs	Method	GENSCAN
Start	18339	End	20971
GI	none	Score	.73
Exons	18339..18812, 18890..19040, 20910..20971		

Seq. No.	13044	Seq. ID	OJ991201_14.0118.C3
Gene No.	27571	Strand	+
Start	18339	End	24799
Name	OJ991201_14.0118.C3.o4.np	Method	AAT/NAP
Start	18342	End	24799
GI	5757804	Score	1895
Exons	18342..18812, 18890..19053, 22930..22981, 23068..23295, 23389..23895, 24722..24799		
GI Descrip.	(AF093752) phytochelatin synthase [Triticum aestivum]		

Seq. No.	13044	Seq. ID	OJ991201_14.0118.C3
Gene No.	27571	Strand	+
Start	18339	End	24799
Name	OJ991201_14.0118.C3.o4.gp	Method	AAT/GAP
Start	23072	End	23591
GI	LIB3432-006-P1-K1-H2	Score	805
Exons	23072..23295, 23389..23591		
GI Descrip.	'5757804/gb|AAD50592.1|AF093752_1 6.0e-42 (AF093752) phytochelatin synthase [Triticum aestivum]'		

Seq. No.	13044	Seq. ID	OJ991201_14.0118.C3
Gene No.	27571	Strand	+
Start	18339	End	24799
Name	OJ991201_14.0118.C3.o8.gs	Method	GENSCAN
Start	23095	End	24064
GI	none	Score	.81
Exons	23095..23295, 23389..23895, 23999..24064		

Seq. No.	13044	Seq. ID	OJ991201_14.0118.C3
Gene No.	27572	Strand	-
Start	468	End	2173
Name	OJ991201_14.0118.C3.o1.gp	Method	AAT/GAP
Start	242	End	980
GI	753_2.R1084	Score	1420
Exons	242..980		
GI Descrip.	'5757804/gb|AAD50592.1|AF093752_1 2.0e-15 (AF093752) phytochelatin synthase [Triticum aestivum]'		

Seq. No.	13044	Seq. ID	OJ991201_14.0118.C3
Gene No.	27572	Strand	-
Start	468	End	2173
Name	OJ991201_14.0118.C3.o1.gs	Method	GENSCAN
Start	468	End	2173
GI	none	Score	.9
Exons	468..1030, 1206..1280, 1473..1671, 1818..2013, 2025..2173		

Seq. No.	13044	Seq. ID	OJ991201_14.0118.C3
Gene No.	27572	Strand	-
Start	468	End	2173
Name	OJ991201_14.0118.C3.o1.np	Method	AAT/NAP
Start	471	End	932

GI	3885896	Score	770
Exons	471..932		
GI Descrip.	(AF093636) plastocyanin precursor [Oryza sativa]		

Seq. No.	13044	Seq. ID	OJ991201_14.0118.C3
Gene No.	27573	Strand	-
Start	4700	End	7343
Name	OJ991201_14.0118.C3.o2.np	Method	AAT/NAP
Start	4700	End	7337
GI	3367576	Score	475
Exons	4700..4764, 6832..7337		
GI Descrip.	(AL031135) NAM / CUC2 -like protein [Arabidopsis thaliana]		

Seq. No.	13044	Seq. ID	OJ991201_14.0118.C3
Gene No.	27573	Strand	-
Start	4700	End	7343
Name	OJ991201_14.0118.C3.o3.gs	Method	GENSCAN
Start	5103	End	7343
GI	none	Score	.81
Exons	5103..5107, 5240..5339, 5393..5569, 6108..6446, 6548..6799, 6891..7343		

Seq. No.	13044	Seq. ID	OJ991201_14.0118.C3
Gene No.	27574	Strand	-
Start	8498	End	9437
Name	OJ991201_14.0118.C3.o4.gs	Method	GENSCAN
Start	8498	End	9437
GI	none	Score	.57
Exons	8498..8517, 8714..8832, 9328..9437		

Seq. No.	13044	Seq. ID	OJ991201_14.0118.C3
Gene No.	27575	Strand	-
Start	11145	End	12765
Name	OJ991201_14.0118.C3.o1.tw	Method	TBLASTX:Wheat
Start	466	End	939
GI	none	Score	107
Exons	466..492, 468..554, 469..762, 474..761, 722..766, 880..939		

Seq. No.	13044	Seq. ID	OJ991201_14.0118.C3
Gene No.	27575	Strand	-
Start	11145	End	12765
Name	OJ991201_14.0118.C3.o2.tm	Method	TBLASTX:Maize
Start	466	End	936
GI	none	Score	358
Exons	466..759, 467..493, 474..761, 835..936, 856..894, 895..933		

Seq. No.	13044	Seq. ID	OJ991201_14.0118.C3
Gene No.	27575	Strand	-
Start	11145	End	12765
Name	OJ991201_14.0118.C3.o3.ts	Method	TBLASTX:Soybean
Start	466	End	759
GI	none	Score	103
Exons	466..591, 474..599, 585..758, 586..759		

Seq. No.	13044	Seq. ID	OJ991201_14.0118.C3
Gene No.	27575	Strand	-
Start	11145	End	12765

Name	OJ991201_14.0118.C3.o4.tc	Method	TBLASTX:Cress
Start	468	End	759
GI	none	Score	48
Exons	468..530, 469..645, 474..599, 585..758, 586..759		

Seq. No.	13044	Seq. ID	OJ991201_14.0118.C3
Gene No.	27575	Strand	-
Start	11145	End	12765
Name	OJ991201_14.0118.C3.o3.tm	Method	TBLASTX:Maize
Start	6722	End	7209
GI	none	Score	63
Exons	6722..6802, 6867..7007, 6885..6971, 6895..7008, 7023..7187, 7048..7209		

Seq. No.	13044	Seq. ID	OJ991201_14.0118.C3
Gene No.	27575	Strand	-
Start	11145	End	12765
Name	OJ991201_14.0118.C3.o3.tw	Method	TBLASTX:Wheat
Start	6885	End	8778
GI	none	Score	110
Exons	6885..7037, 6892..7005, 7038..7139, 7042..7140, 8659..8778		

Seq. No.	13044	Seq. ID	OJ991201_14.0118.C3
Gene No.	27575	Strand	-
Start	11145	End	12765
Name	OJ991201_14.0118.C3.o2.ts	Method	TBLASTX:Soybean
Start	6918	End	7314
GI	none	Score	72
Exons	6918..7010, 6928..7011, 7026..7226, 7039..7227, 7233..7313, 7234..7314		

Seq. No.	13044	Seq. ID	OJ991201_14.0118.C3
Gene No.	27575	Strand	-
Start	11145	End	12765
Name	OJ991201_14.0118.C3.o2.tc	Method	TBLASTX:Cress
Start	6930	End	7314
GI	none	Score	91
Exons	6930..7010, 6931..7008, 7023..7226, 7039..7215, 7236..7313, 7237..7314		

Seq. No.	13044	Seq. ID	OJ991201_14.0118.C3
Gene No.	27575	Strand	-
Start	11145	End	12765
Name	OJ991201_14.0118.C3.o5.gs	Method	GENSCAN
Start	11145	End	12765
GI	none	Score	.73
Exons	11145..11235, 12335..12765		

Seq. No.	13044	Seq. ID	OJ991201_14.0118.C3
Gene No.	27576	Strand	
Start	14223	End	15800
Name	OJ991201_14.0118.C3.o1.ts	Method	TBLASTX:Soybean
Start	14223	End	15800
GI	none	Score	145
Exons	14223..14345, 14349..14402, 14472..14756, 14472..14567, 14715..14891, 14988..15026, 15168..15542, 15173..15541, 15555..15683, 15557..15676, 15711..15800		

Seq. No.	13044	Seq. ID	OJ991201_14.0118.C3
Gene No.	27576	Strand	
Start	14223	End	15800
Name	OJ991201_14.0118.C3.o3.tc	Method	TBLASTX:Cress
Start	14223	End	15692
GI	none	Score	130
Exons	14223..14486, 15162..15380, 15173..15367, 15374..15523, 15375..15533, 15545..15643, 15546..15692		

Seq. No.	13044	Seq. ID	OJ991201_14.0118.C3
Gene No.	27576	Strand	
Start	14223	End	15800
Name	OJ991201_14.0118.C3.o5.tm	Method	TBLASTX:Maize
Start	14226	End	14894
GI	none	Score	202
Exons	14226..14627, 14661..14894, 14705..14842		

Seq. No.	13044	Seq. ID	OJ991201_14.0118.C3
Gene No.	27576	Strand	
Start	14223	End	15800
Name	OJ991201_14.0118.C3.o4.tm	Method	TBLASTX:Maize
Start	15174	End	15785
GI	none	Score	210
Exons	15174..15380, 15176..15379, 15414..15533, 15555..15692, 15687..15785		

Seq. No.	13044	Seq. ID	OJ991201_14.0118.C3
Gene No.	27576	Strand	
Start	14223	End	15800
Name	OJ991201_14.0118.C3.o4.tw	Method	TBLASTX:Wheat
Start	15174	End	15383
GI	none	Score	194
Exons	15174..15383, 15180..15371, 15185..15382		

Seq. No.	13044	Seq. ID	OJ991201_14.0118.C3
Gene No.	27576	Strand	
Start	14223	End	15800
Name	OJ991201_14.0118.C3.o2.tw	Method	TBLASTX:Wheat
Start	15431	End	15692
GI	none	Score	236
Exons	15431..15619, 15432..15692		

Seq. No.	13044	Seq. ID	OJ991201_14.0118.C3
Gene No.	27577	Strand	
Start	18353	End	23898
Name	OJ991201_14.0118.C3.o1.tm	Method	TBLASTX:Maize
Start	18353	End	18782
GI	none	Score	588
Exons	18353..18781, 18354..18782, 18561..18782		

Seq. No.	13044	Seq. ID	OJ991201_14.0118.C3
Gene No.	27577	Strand	
Start	18353	End	23898
Name	OJ991201_14.0118.C3.o1.tc	Method	TBLASTX:Cress
Start	18354	End	23898
GI	none	Score	561

Exons	18354..18812, 18356..18736, 18886..19017, 18887..19063, 18889..19056, 22930..22977, 22931..22981, 23053..23295, 23066..23149, 23434..23568, 23574..23693, 23575..23709, 23752..23898, 23752..23859		
Seq. No.	13044	Seq. ID	OJ991201_14.0118.C3
Gene No.	27577	Strand	
Start	18353	End	23898
Name	OJ991201_14.0118.C3.o6.ts	Method	TBLASTX:Soybean
Start	18357	End	18584
GI	none	Score	146
Exons	18357..18497, 18359..18496, 18503..18583, 18504..18584		
Seq. No.	13044	Seq. ID	OJ991201_14.0118.C3
Gene No.	27577	Strand	
Start	18353	End	23898
Name	OJ991201_14.0118.C3.o4.ts	Method	TBLASTX:Soybean
Start	18914	End	23295
GI	none	Score	208
Exons	18914..19063, 18914..19054, 18927..19055, 23131..23295		
Seq. No.	13044	Seq. ID	OJ991201_14.0118.C3
Gene No.	27577	Strand	
Start	18353	End	23898
Name	OJ991201_14.0118.C3.o5.ts	Method	TBLASTX:Soybean
Start	23509	End	23826
GI	none	Score	70
Exons	23509..23580, 23515..23703, 23666..23698, 23733..23825, 23752..23826		
Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27578	Strand	+
Start	213	End	425
Name	OJ991201_14.0118.C4.o1.gs	Method	GENSCAN
Start	213	End	425
GI	none	Score	.89
Exons	213..425		
Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27579	Strand	+
Start	4156	End	8971
Name	OJ991201_14.0118.C4.o4.gs	Method	GENSCAN
Start	4156	End	8855
GI	none	Score	.81
Exons	4156..4554, 4614..5263, 5437..5714, 5748..6097, 6151..6325, 6612..6723, 6770..6857, 7610..7729, 7959..7983, 8198..8362, 8737..8855		
Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27579	Strand	+
Start	4156	End	8971
Name	OJ991201_14.0118.C4.o2.np	Method	AAT/NAP
Start	4161	End	8971
GI	5042454	Score	186
Exons	4161..4204, 5016..5132, 5538..5714, 6009..6325, 8945..8971		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27579	Strand	+
Start	4156	End	8971
Name	OJ991201_14.0118.C4.o4.np	Method	AAT/NAP
Start	6647	End	8852
GI	2665536	Score	214
Exons	6647..6816, 7612..7739, 8048..8326, 8734..8852		
GI Descrip.	(AF027808) HCF106 precursor protein [Zea mays]		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27580	Strand	+
Start	10151	End	12650
Name	OJ991201_14.0118.C4.o5.gs	Method	GENSCAN
Start	10151	End	12422
GI	none	Score	.92
Exons	10151..10383, 10484..10559, 10655..10771, 10858..11271, 11361..12422		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27580	Strand	+
Start	10151	End	12650
Name	OJ991201_14.0118.C4.o5.np	Method	AAT/NAP
Start	10296	End	12439
GI	4678308	Score	1515
Exons	10296..10569, 10665..10771, 10858..11287, 11356..12439		
GI Descrip.	(AL049655) putative protein [Arabidopsis thaliana]		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27580	Strand	+
Start	10151	End	12650
Name	OJ991201_14.0118.C4.o2.gp	Method	AAT/GAP
Start	11095	End	11648
GI	uC-osroM202020h08b1	Score	872
Exons	11095..11271, 11361..11648		
GI Descrip.	'4678308/emb|CAB41099.1| 4.0e-20 (AL049655) putative protein [Arabidopsis thaliana]'		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27580	Strand	+
Start	10151	End	12650
Name	OJ991201_14.0118.C4.o3.gp	Method	AAT/GAP
Start	12164	End	12650
GI	5038885	Score	717
Exons	12164..12587, 12629..12650		
GI Descrip.	4678308/emb|CAB41099.1| 4.0e-20 (AL049655) putative protein [Arabidopsis thaliana]		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27581	Strand	+
Start	14880	End	16703
Name	OJ991201_14.0118.C4.o6.gs	Method	GENSCAN
Start	14880	End	16703
GI	none	Score	.86
Exons	14880..15095, 15148..15439, 16612..16703		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27582	Strand	+

Start	17717	End	35786
Name	OJ991201_14.0118.C4.o7.gs	Method	GENSCAN
Start	17717	End	32712
GI	none	Score	.71
Exons	17717..17769, 19451..19735, 19936..20174, 20267..20451, 21270..21393, 21483..21600, 21602..21642, 22217..22312, 22402..22547, 22644..22931, 24215..24355, 24600..24851, 25218..25535, 26556..26944, 26986..27536, 27621..27709, 28685..29836, 30374..30889, 30943..31180, 31829..32712		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27582	Strand	+
Start	17717	End	35786
Name	OJ991201_14.0118.C4.o8.np	Method	AAT/NAP
Start	32050	End	34669
GI	1507699	Score	73
Exons	32050..32091, 34352..34401, 34499..34669		
GI Descrip.	(L81119) COL2 [Arabidopsis thaliana] gi|1507701 (L81120) COL2 [Arabidopsis thaliana] gi|6957702|gb|AAF32446.1| (AC021640) COL2 [Arabidopsis thaliana]		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27582	Strand	+
Start	17717	End	35786
Name	OJ991201_14.0118.C4.o7.np	Method	AAT/NAP
Start	33719	End	35786
GI	6715732	Score	77
Exons	33719..33914, 35721..35786		
GI Descrip.	(AC016447) putative zinc finger protein [Arabidopsis thaliana]		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27582	Strand	+
Start	17717	End	35786
Name	OJ991201_14.0118.C4.o8.gs	Method	GENSCAN
Start	33826	End	35138
GI	none	Score	.59
Exons	33826..34063, 34122..34401, 35048..35138		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27583	Strand	+
Start	35955	End	38969
Name	OJ991201_14.0118.C4.o9.gs	Method	GENSCAN
Start	35955	End	38969
GI	none	Score	.77
Exons	35955..35969, 37494..37605, 37885..38969		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27583	Strand	+
Start	35955	End	38969
Name	OJ991201_14.0118.C4.o9.np	Method	AAT/NAP
Start	37591	End	38957
GI	6759444	Score	607
Exons	37591..38957		
GI Descrip.	(AL137189) anthranilate N-benzoyltransferase-like protein [Arabidopsis thaliana]		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4

Gene No.	27584	Strand	+
Start	43243	End	43590
Name	OJ991201_14.0118.C4.o11.gs	Method	GENSCAN
Start	43243	End	43590
GI	none	Score	.41
Exons	43243..43590		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27585	Strand	-
Start	1002	End	1196
Name	OJ991201_14.0118.C4.o2.gs	Method	GENSCAN
Start	1002	End	1196
GI	none	Score	.55
Exons	1002..1196		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27586	Strand	-
Start	2729	End	4479
Name	OJ991201_14.0118.C4.o1.np	Method	AAT/NAP
Start	2729	End	4479
GI	6721512	Score	48
Exons	2729..2784, 4173..4212, 4321..4359, 4402..4479		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27586	Strand	-
Start	2729	End	4479
Name	OJ991201_14.0118.C4.o3.gs	Method	GENSCAN
Start	2877	End	3428
GI	none	Score	.77
Exons	2877..3065, 3417..3428		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27587	Strand	-
Start	6409	End	6510
Name	OJ991201_14.0118.C4.o3.np	Method	AAT/NAP
Start	6409	End	6510
GI	5777617	Score	68
Exons	6409..6510		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27588	Strand	-
Start	7751	End	9317
Name	OJ991201_14.0118.C4.o1.gp	Method	AAT/GAP
Start	7751	End	9317
GI	none	Score	1301
Exons	7751..8263, 8826..9132, 9264..9317		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27589	Strand	-
Start	32445	End	33113
Name	OJ991201_14.0118.C4.o4.gp	Method	AAT/GAP
Start	32445	End	33113
GI	3766594	Score	1276
Exons	32445..33113		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27590	Strand	-
Start	38384	End	38660
Name	OJ991201_14.0118.C4.o5.gp	Method	AAT/GAP
Start	38384	End	38660
GI	LIB3475-004-P1-K2-A1	Score	533
Exons	38384..38660		
GI Descrip.	'2088651 2.0e-14 (AF002109) hypersensitivity-related gene 201 isolog [Arabidopsis thaliana]'		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27591	Strand	-
Start	39930	End	42467
Name	OJ991201_14.0118.C4.o6.gp	Method	AAT/GAP
Start	39657	End	41064
GI	4633_1.R1084	Score	1859
Exons	39657..40142, 40236..40319, 40416..40570, 40694..40763, 40863..41064		
GI Descrip.	'4098647 1.0e-110 (U80668) homogentisate 1,2-dioxygenase [Arabidopsis thaliana]'		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27591	Strand	-
Start	39930	End	42467
Name	OJ991201_14.0118.C4.o10.np	Method	AAT/NAP
Start	39915	End	42434
GI	4098647	Score	1612
Exons	39915..40142, 40236..40319, 40416..40570, 40694..40763, 40863..41038, 41160..41327, 41754..41833, 41933..42175, 42244..42434		
GI Descrip.	(U80668) homogentisate 1,2-dioxygenase [Arabidopsis thaliana]		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27591	Strand	-
Start	39930	End	42467
Name	OJ991201_14.0118.C4.o10.gs	Method	GENSCAN
Start	39930	End	42467
GI	none	Score	.57
Exons	39930..40142, 40236..40570, 40694..40763, 40863..40993, 41160..41327, 41754..41833, 41933..42226, 42244..42467		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27592	Strand	-
Start	44389	End	46287
Name	OJ991201_14.0118.C4.o1.ts	Method	TBLASTX:Soybean
Start	10948	End	12416
GI	none	Score	155
Exons	10948..11154, 11185..11277, 11193..11267, 11340..11558, 11366..11515, 11541..12416, 11618..12286, 12342..12371		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27592	Strand	-
Start	44389	End	46287
Name	OJ991201_14.0118.C4.o1.tm	Method	TBLASTX:Maize
Start	11071	End	12398
GI	none	Score	56
Exons	11071..11142, 11199..11270, 11200..11277, 11358..11519,		

11360..11515, 11514..12122, 11618..12112, 12045..12398

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27592	Strand	-
Start	44389	End	46287
Name	OJ991201_14.0118.C4.o3.tc	Method	TBLASTX:Cress
Start	11121	End	11546
GI	none	Score	147
Exons	11121..11267, 11122..11292, 11185..11271, 11340..11546, 11360..11521		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27592	Strand	-
Start	44389	End	46287
Name	OJ991201_14.0118.C4.o1.tw	Method	TBLASTX:Wheat
Start	11190	End	11513
GI	none	Score	98
Exons	11190..11267, 11191..11277, 11340..11513, 11357..11503		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27592	Strand	-
Start	44389	End	46287
Name	OJ991201_14.0118.C4.o2.tc	Method	TBLASTX:Cress
Start	11676	End	12398
GI	none	Score	193
Exons	11676..12032, 11696..11917, 11706..11795, 11708..11788, 11808..12395, 11810..12295, 12180..12398		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27592	Strand	-
Start	44389	End	46287
Name	OJ991201_14.0118.C4.o4.tm	Method	TBLASTX:Maize
Start	22624	End	24310
GI	none	Score	70
Exons	22624..22860, 22633..22680, 22643..22930, 22644..22931, 22758..22931, 24212..24310		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27592	Strand	-
Start	44389	End	46287
Name	OJ991201_14.0118.C4.o7.tm	Method	TBLASTX:Maize
Start	27173	End	27364
GI	none	Score	257
Exons	27173..27364, 27175..27351		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27592	Strand	-
Start	44389	End	46287
Name	OJ991201_14.0118.C4.o3.tm	Method	TBLASTX:Maize
Start	27386	End	29413
GI	none	Score	154
Exons	27386..27535, 27388..27537, 27388..27534, 27628..27711, 27629..27709, 28492..28602, 28492..28605, 28680..29168, 28681..29265, 28685..29308, 28685..29272, 29244..29294, 29300..29413, 29302..29397, 29304..29399		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4

Gene No.	27592	Strand	-
Start	44389	End	46287
Name	OJ991201_14.0118.C4.o5.tm	Method	TBLASTX:Maize
Start	30641	End	32229
GI	none	Score	217
Exons	30641..30889, 30647..30901, 30982..31101, 30983..31102, 30984..31103, 31039..31113, 31083..31181, 31094..31186, 31110..31181, 31111..31182, 31917..31997, 31925..31996, 32043..32156, 32071..32157, 32148..32228, 32158..32229		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27592	Strand	-
Start	44389	End	46287
Name	OJ991201_14.0118.C4.o6.tc	Method	TBLASTX:Cress
Start	37684	End	38138
GI	none	Score	45
Exons	37684..37728, 37756..37848, 37932..38138		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27592	Strand	-
Start	44389	End	46287
Name	OJ991201_14.0118.C4.o3.ts	Method	TBLASTX:Soybean
Start	37956	End	38939
GI	none	Score	150
Exons	37956..38144, 38000..38122, 38394..38444, 38472..38555, 38640..38939, 38702..38896		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27592	Strand	-
Start	44389	End	46287
Name	OJ991201_14.0118.C4.o4.tc	Method	TBLASTX:Cress
Start	38394	End	38813
GI	none	Score	133
Exons	38394..38555, 38640..38813, 38723..38812		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27592	Strand	-
Start	44389	End	46287
Name	OJ991201_14.0118.C4.o6.tm	Method	TBLASTX:Maize
Start	38642	End	38942
GI	none	Score	148
Exons	38642..38758, 38649..38759, 38757..38789, 38774..38896, 38775..38942		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27592	Strand	-
Start	44389	End	46287
Name	OJ991201_14.0118.C4.o1.tc	Method	TBLASTX:Cress
Start	39933	End	42431
GI	none	Score	176
Exons	39933..40145, 39946..40143, 40224..40322, 40231..40320, 40236..40322, 40362..40574, 40405..40572, 40405..40575, 40694..40750, 40695..40766, 40695..40769, 40844..41038, 40854..41039, 40854..41039, 40855..41040, 40868..41068, 40876..41040, 41158..41319, 41159..41326, 41168..41329, 41169..41327, 41753..41836, 41755..41844, 41933..42007, 41935..42009, 42025..42054, 42088..42213, 42140..42178,		

42243..42431, 42253..42420

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27592	Strand	-
Start	44389	End	46287
Name	OJ991201_14.0118.C4.o2.tm	Method	TBLASTX:Maize
Start	39973	End	42428
GI	none	Score	224
Exons	39973..40143, 39975..40145, 39976..40143, 40230..40328, 40231..40320, 40236..40322, 40362..40574, 40398..40565, 40405..40572, 40414..40581, 40695..40769, 40696..40764, 40854..41039, 40854..41039, 40855..41040, 41122..41319, 41154..41249, 41159..41326, 41753..41845, 41754..41828, 41755..41844, 41933..42025, 41933..41989, 41935..42024, 42018..42050, 42019..42054, 42019..42054, 42085..42174, 42140..42178, 42232..42396, 42243..42428		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27592	Strand	-
Start	44389	End	46287
Name	OJ991201_14.0118.C4.o4.ts	Method	TBLASTX:Soybean
Start	39975	End	40293
GI	none	Score	120
Exons	39975..40145, 39979..40143, 40212..40292, 40213..40293		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27592	Strand	-
Start	44389	End	46287
Name	OJ991201_14.0118.C4.o2.ts	Method	TBLASTX:Soybean
Start	40293	End	40769
GI	none	Score	41
Exons	40293..40322, 40294..40320, 40398..40571, 40404..40574, 40405..40572, 40695..40769, 40696..40764		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27592	Strand	-
Start	44389	End	46287
Name	OJ991201_14.0118.C4.o6.ts	Method	TBLASTX:Soybean
Start	42088	End	42414
GI	none	Score	39
Exons	42088..42213, 42148..42177, 42244..42414, 42249..42413		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27592	Strand	-
Start	44389	End	46287
Name	OJ991201_14.0118.C4.o12.gs	Method	GENSCAN
Start	44389	End	46287
GI	none	Score	.92
Exons	44389..44582, 45236..45623, 45785..45880, 46225..46287		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27592	Strand	-
Start	44389	End	46287
Name	OJ991201_14.0118.C4.o11.np	Method	AAT/NAP
Start	44392	End	45467
GI	2842486	Score	341
Exons	44392..44582, 45236..45467		

GI Descrip. (AL021749) putative protein [Arabidopsis thaliana]

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27592	Strand	-
Start	44389	End	46287
Name	OJ991201_14.0118.C4.o5.tc	Method	TBLASTX:Cress
Start	44392	End	45326
GI	none	Score	108
Exons	44392..44583, 44437..44583, 44459..44584, 45201..45326		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27592	Strand	-
Start	44389	End	46287
Name	OJ991201_14.0118.C4.o8.tm	Method	TBLASTX:Maize
Start	44392	End	45419
GI	none	Score	191
Exons	44392..44583, 44437..44583, 45207..45308, 45214..45285, 45237..45308, 45315..45419, 45340..45417		

Seq. No.	13045	Seq. ID	OJ991201_14.0118.C4
Gene No.	27592	Strand	-
Start	44389	End	46287
Name	OJ991201_14.0118.C4.o5.ts	Method	TBLASTX:Soybean
Start	44392	End	45416
GI	none	Score	145
Exons	44392..44583, 44437..44583, 44462..44584, 45201..45299, 45237..45305, 45309..45416		

Seq. No.	13046	Seq. ID	OJ991201_14.0118.C5
Gene No.	27593	Strand	+
Start	210	End	9112
Name	OJ991201_14.0118.C5.o1.gs	Method	GENSCAN
Start	210	End	3944
GI	none	Score	.53
Exons	210..303, 955..1078, 1510..1618, 3499..3665, 3890..3944		

Seq. No.	13046	Seq. ID	OJ991201_14.0118.C5
Gene No.	27593	Strand	+
Start	210	End	9112
Name	OJ991201_14.0118.C5.o1.np	Method	AAT/NAP
Start	1959	End	5281
GI	6721512	Score	94
Exons	1959..1996, 3571..3665, 3693..3822, 4781..4839, 5240..5281		

GI Descrip. (AP001072) hypothetical protein [Oryza sativa]

Seq. No.	13046	Seq. ID	OJ991201_14.0118.C5
Gene No.	27593	Strand	+
Start	210	End	9112
Name	OJ991201_14.0118.C5.o2.gp	Method	AAT/GAP
Start	4635	End	7255
GI	25105_1.R1084	Score	2109
Exons	4635..4933, 5659..5767, 5862..5923, 6050..6259, 6375..6462, 6540..6702, 6803..7001, 7222..7255		

GI Descrip. '3044214 1.0e-150 (AF057044) acyl-CoA oxidase [Arabidopsis thaliana]'

Seq. No.	13046	Seq. ID	OJ991201_14.0118.C5

Gene No.	27593	Strand	+
Start	210	End	9112
Name	OJ991201_14.0118.C5.o2.gs	Method	GENSCAN
Start	4781	End	9112
GI	none	Score	.9
Exons	4781..4933, 5659..5767, 5862..6259, 6375..6462, 6540..6702, 6803..7001, 7222..7419, 7653..7784, 7948..8068, 8219..8329, 8476..8545, 8646..8829, 8903..9112		

Seq. No.	13046	Seq. ID	OJ991201_14.0118.C5
Gene No.	27593	Strand	+
Start	210	End	9112
Name	OJ991201_14.0118.C5.o2.np	Method	AAT/NAP
Start	4856	End	9109
GI	2370232	Score	2494
Exons	4856..4933, 5659..5767, 5862..5923, 6050..6259, 6375..6462, 6540..6702, 6803..7001, 7222..7418, 7653..7784, 7948..8068, 8219..8329, 8476..8545, 8646..8829, 8903..9109		
GI Descrip.	(AJ001341) putative acyl-CoA oxidase [Hordeum vulgare]		

Seq. No.	13046	Seq. ID	OJ991201_14.0118.C5
Gene No.	27593	Strand	+
Start	210	End	9112
Name	OJ991201_14.0118.C5.o3.gp	Method	AAT/GAP
Start	7653	End	7766
GI	uC-osrocyp021b06b1	Score	188
Exons	7653..7766		
GI Descrip.	'3044214 9.0e-20 (AF057044) acyl-CoA oxidase [Arabidopsis thaliana]'		

Seq. No.	13046	Seq. ID	OJ991201_14.0118.C5
Gene No.	27594	Strand	+
Start	9977	End	21126
Name	OJ991201_14.0118.C5.o3.np	Method	AAT/NAP
Start	9977	End	21123
GI	4678317	Score	2605
Exons	9977..10065, 10672..10955, 11025..11106, 11196..11259, 11402..11457, 11667..11744, 11899..11973, 12202..12272, 12476..12592, 12681..12782, 12962..13082, 13219..13303, 13474..13560, 14003..14104, 14395..14458, 15347..15402, 15951..16026, 16310..16388, 16719..16774, 17107..17162, 17397..17486, 17587..17673, 17836..17910, 17986..18044, 18275..18368, 18445..18663, 18762..18856, 19268..19358, 19427..19531, 19611..19649, 20027..20116, 20302..20403, 20601..20682, 20839..20924, 21028..21123		
GI Descrip.	(AL049658) aminoacyl-t-RNA synthetase [Arabidopsis thaliana]		

Seq. No.	13046	Seq. ID	OJ991201_14.0118.C5
Gene No.	27594	Strand	+
Start	9977	End	21126
Name	OJ991201_14.0118.C5.o3.gs	Method	GENSCAN
Start	10591	End	21126
GI	none	Score	.7
Exons	10591..10955, 11025..11106, 11196..11259, 11402..11522, 12645..12782, 12962..13082, 13217..13303, 13474..13560, 14003..14104, 14395..14458, 14673..14791, 15918..16022, 16248..16290, 17071..17162, 17340..17486, 17986..18044,		

18275..18368, 18445..18663, 19427..19531, 19611..19649,
20027..20116, 20302..20403, 20601..20682, 20839..20924,
21028..21126

Seq. No.	13046	Seq. ID	OJ991201_14.0118.C5
Gene No.	27595	Strand	-
Start	315	End	695
Name	OJ991201_14.0118.C5.o1.gp	Method	AAT/GAP
Start	315	End	695
GI	LIB3477-003-P1-K1-E9	Score	92
Exons	315..373, 671..695		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	13046	Seq. ID	OJ991201_14.0118.C5
Gene No.	27596	Strand	-
Start	9021	End	9379
Name	OJ991201_14.0118.C5.o1.tm	Method	TBLASTX:Maize
Start	4802	End	9114
GI	none	Score	120
Exons	4802..4930, 4803..4910, 4808..4936, 4810..4935, 5658..5765, 5659..5766, 5661..5774, 5663..5773, 5855..5923, 5857..5922, 5858..5923, 5859..5924, 6024..6257, 6049..6258, 6050..6259, 6372..6464, 6374..6463, 6532..6705, 6533..6703, 6533..6706, 6800..7015, 6801..7007, 7202..7378, 7219..7419, 7219..7419, 7642..7785, 7646..7792, 7653..7766, 7654..7788, 7927..8067, 7941..8066, 8209..8337, 8214..8333, 8215..8337, 8471..8548, 8475..8546, 8623..8832, 8643..8831, 8662..8832, 8899..9114, 8909..9067, 9045..9107		

Seq. No.	13046	Seq. ID	OJ991201_14.0118.C5
Gene No.	27596	Strand	-
Start	9021	End	9379
Name	OJ991201_14.0118.C5.o1.ts	Method	TBLASTX:Soybean
Start	4805	End	7007
GI	none	Score	163
Exons	4805..4930, 4808..4933, 4813..4932, 5661..5765, 5662..5766, 5855..5923, 5857..5922, 6039..6248, 6049..6258, 6050..6259, 6372..6464, 6374..6463, 6533..6703, 6538..6702, 6800..7003, 6801..7007		

Seq. No.	13046	Seq. ID	OJ991201_14.0118.C5
Gene No.	27596	Strand	-
Start	9021	End	9379
Name	OJ991201_14.0118.C5.o1.tc	Method	TBLASTX:Cress
Start	4808	End	9108
GI	none	Score	169
Exons	4808..4936, 4813..4935, 5658..5765, 5659..5763, 5855..5923, 5895..5924, 6049..6069, 6049..6243, 6050..6259, 6372..6464, 6374..6463, 6375..6470, 6528..6692, 6532..6702, 6533..6703, 6538..6720, 6800..7003, 6801..7007, 7199..7357, 7200..7421, 7218..7394, 7219..7419, 7646..7786, 7653..7766, 7927..8061, 7944..8060, 7945..8076, 8218..8370, 8218..8337, 8474..8548, 8475..8546, 8635..8832, 8643..8831, 8647..8835, 8902..9108, 8909..9067		

Seq. No.	13046	Seq. ID	OJ991201_14.0118.C5
Gene No.	27596	Strand	-
Start	9021	End	9379
Name	OJ991201_14.0118.C5.o4.ts	Method	TBLASTX:Soybean
Start	7200	End	8546
GI	none	Score	153
Exons	7200..7403, 7200..7427, 7219..7419, 7609..7785, 7646..7792, 7653..7766, 7655..7786, 7941..8048, 7942..8046, 8217..8336, 8218..8334, 8475..8546		

Seq. No.	13046	Seq. ID	OJ991201_14.0118.C5
Gene No.	27596	Strand	-
Start	9021	End	9379
Name	OJ991201_14.0118.C5.o1.tw	Method	TBLASTX:Wheat
Start	8679	End	9114
GI	none	Score	207
Exons	8679..8831, 8683..8832, 8686..8835, 8687..8845, 8899..9111, 8909..9067, 8931..9113, 8941..9114		

Seq. No.	13046	Seq. ID	OJ991201_14.0118.C5
Gene No.	27596	Strand	-
Start	9021	End	9379
Name	OJ991201_14.0118.C5.o2.ts	Method	TBLASTX:Soybean
Start	8692	End	9108
GI	none	Score	169
Exons	8692..8832, 8694..8831, 8899..9108, 8909..9067		

Seq. No.	13046	Seq. ID	OJ991201_14.0118.C5
Gene No.	27596	Strand	-
Start	9021	End	9379
Name	OJ991201_14.0118.C5.o4.gp	Method	AAT/GAP
Start	9021	End	9379
GI	uC-osflcyp023c06b2	Score	675
Exons	9021..9379		
GI Descrip.	'2370231/emb|AJ001341|HVACYLCOA 1.0e-22 Hordeum vulgare mRNA for putative acyl-CoA oxidase'		

Seq. No.	13046	Seq. ID	OJ991201_14.0118.C5
Gene No.	27597	Strand	
Start	10677	End	21141
Name	OJ991201_14.0118.C5.o3.tm	Method	TBLASTX:Maize
Start	10677	End	10929
GI	none	Score	40
Exons	10677..10709, 10780..10929, 10782..10928, 10837..10929		

Seq. No.	13046	Seq. ID	OJ991201_14.0118.C5
Gene No.	27597	Strand	
Start	10677	End	21141
Name	OJ991201_14.0118.C5.o2.tc	Method	TBLASTX:Cress
Start	10797	End	21141
GI	none	Score	260
Exons	10797..10964, 10798..10965, 11023..11106, 11029..11127, 11195..11269, 11205..11237, 11400..11459, 11401..11460, 11633..11743, 11658..11756, 11658..11744, 11665..11745, 11901..11951, 11903..11974, 11904..11975, 12175..12273, 12189..12335, 12476..12598, 12477..12635, 12484..12648, 12681..12785, 12682..12780, 12966..13037, 13220..13303,		

13231..13305, 13232..13306, 13471..13569, 14002..14100,
14003..14110, 15343..15444, 15945..16025, 15950..16033,
16306..16386, 16311..16388, 16311..16388, 16313..16402,
17584..17676, 17826..17861, 17836..17880, 17985..18044,
17986..18045, 18272..18364, 18273..18368, 18273..18371,
18274..18381, 18444..18671, 18445..18681, 18720..18854,
18750..18857, 18761..18856, 19262..19360, 19266..19361,
19426..19533, 19427..19534, 19602..19652, 19619..19657,
20301..20405, 20305..20406, 20556..20690, 20838..20921,
21003..21122, 21019..21141

Seq. No.	13046	Seq. ID	OJ991201_14.0118.C5
Gene No.	27597	Strand	
Start	10677	End	21141
Name	OJ991201_14.0118.C5.o3.ts	Method	TBLASTX:Soybean
Start	18273	End	18857
GI	none	Score	134
Exons	18273..18368, 18273..18368, 18430..18681, 18444..18671, 18717..18854, 18750..18857, 18761..18856		

Seq. No.	13046	Seq. ID	OJ991201_14.0118.C5
Gene No.	27597	Strand	
Start	10677	End	21141
Name	OJ991201_14.0118.C5.o2.tm	Method	TBLASTX:Maize
Start	18294	End	19461
GI	none	Score	111
Exons	18294..18368, 18294..18371, 18295..18369, 18444..18647, 18445..18672, 18715..18852, 18717..18854, 18759..18857, 18761..18856, 19249..19359, 19262..19360, 19266..19361, 19267..19416, 19426..19461, 19427..19459		

Seq. No.	13046	Seq. ID	OJ991201_14.0118.C5
Gene No.	27597	Strand	
Start	10677	End	21141
Name	OJ991201_14.0118.C5.o4.tm	Method	TBLASTX:Maize
Start	20022	End	21133
GI	none	Score	116
Exons	20022..20108, 20023..20112, 20026..20115, 20027..20143, 20299..20427, 20301..20405, 20556..20684, 20581..20685, 20598..20696, 20830..20925, 20838..20924, 20839..20925, 21003..21125, 21016..21126, 21019..21126, 21020..21133, 21021..21128		

Seq. No.	13047	Seq. ID	OJ991201_14.0118.C6
Gene No.	27598	Strand	-
Start	72	End	160
Name	OJ991201_14.0118.C6.o1.gs	Method	GENSCAN
Start	72	End	160
GI	none	Score	.76
Exons	72..160		

Seq. No.	13048	Seq. ID	OJ991201_17.0119.C1
Gene No.	27599	Strand	+
Start	116	End	800
Name	OJ991201_17.0119.C1.o1.np	Method	AAT/NAP
Start	116	End	800
GI	5091512	Score	839

Exons	116..294, 336..800		
GI Descrip.	(AB023482) Similar to Plasmodium vivax circumsporozoite protein gene, complete cds.(M11926) [Oryza sativa]		
Seq. No.	13048	Seq. ID	OJ991201_17.0119.C1
Gene No.	27600	Strand	-
Start	47	End	685
Name	OJ991201_17.0119.C1.o1.gs	Method	GENSCAN
Start	47	End	685
GI	none	Score	1
Exons	47..685		
Seq. No.	13049	Seq. ID	OJ991201_17.0119.C2
Gene No.	27601	Strand	+
Start	481	End	2306
Name	OJ991201_17.0119.C2.o1.gs	Method	GENSCAN
Start	481	End	2306
GI	none	Score	.63
Exons	481..537, 2045..2053, 2289..2306		
Seq. No.	13049	Seq. ID	OJ991201_17.0119.C2
Gene No.	27602	Strand	+
Start	10003	End	10220
Name	OJ991201_17.0119.C2.o1.gp	Method	AAT/GAP
Start	10003	End	10220
GI	3762565	Score	406
Exons	10003..10220		
Seq. No.	13049	Seq. ID	OJ991201_17.0119.C2
Gene No.	27603	Strand	+
Start	18349	End	18510
Name	OJ991201_17.0119.C2.o3.gp	Method	AAT/GAP
Start	18349	End	18510
GI	533_1.R1084	Score	178
Exons	18349..18402, 18425..18510		
GI Descrip.	'113172/sp|P15543|ACP3_HORVU 9.0e-52 ACYL CARRIER PROTEIN III PRECURSOR (ACP III) >gi_100561_pir__S17928 acyl carrier protein 3 - barley >gi_166971 (M58754) acyl carrier protein III [Hordeum vulgare]'		
Seq. No.	13049	Seq. ID	OJ991201_17.0119.C2
Gene No.	27604	Strand	+
Start	27059	End	27851
Name	OJ991201_17.0119.C2.o5.gs	Method	GENSCAN
Start	27059	End	27851
GI	none	Score	.83
Exons	27059..27361, 27624..27851		
Seq. No.	13049	Seq. ID	OJ991201_17.0119.C2
Gene No.	27605	Strand	+
Start	29814	End	31626
Name	OJ991201_17.0119.C2.o7.gs	Method	GENSCAN
Start	29814	End	31626
GI	none	Score	.71
Exons	29814..29899, 30746..30998, 31052..31144, 31510..31626		
Seq. No.	13049	Seq. ID	OJ991201_17.0119.C2

Gene No.	27606	Strand	+
Start	31739	End	32170
Name	OJ991201_17.0119.C2.o4.gp	Method	AAT/GAP
Start	31739	End	32170
GI	2428185	Score	717
Exons	31739..32170		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	13049	Seq. ID	OJ991201_17.0119.C2
Gene No.	27607	Strand	-
Start	3530	End	8701
Name	OJ991201_17.0119.C2.o2.gs	Method	GENSCAN
Start	3530	End	8701
GI	none	Score	.56
Exons	3530..3561, 4022..4377, 4900..4960, 5682..5853, 8324..8701		

Seq. No.	13049	Seq. ID	OJ991201_17.0119.C2
Gene No.	27608	Strand	-
Start	9619	End	11675
Name	OJ991201_17.0119.C2.o1.np	Method	AAT/NAP
Start	9619	End	11645
GI	3335378	Score	508
Exons	9619..9656, 10830..11112, 11218..11645		
GI Descrip.	(AC003028) putative MYB family transcription factor [Arabidopsis thaliana]		

Seq. No.	13049	Seq. ID	OJ991201_17.0119.C2
Gene No.	27608	Strand	-
Start	9619	End	11675
Name	OJ991201_17.0119.C2.o3.gs	Method	GENSCAN
Start	10641	End	11675
GI	none	Score	.82
Exons	10641..11112, 11218..11675		

Seq. No.	13049	Seq. ID	OJ991201_17.0119.C2
Gene No.	27609	Strand	-
Start	11628	End	11785
Name	OJ991201_17.0119.C2.o2.gp	Method	AAT/GAP
Start	11628	End	11785
GI	none	Score	249
Exons	11628..11785		

Seq. No.	13049	Seq. ID	OJ991201_17.0119.C2
Gene No.	27610	Strand	-
Start	28047	End	36923
Name	OJ991201_17.0119.C2.o1.ts	Method	TBLASTX:Soybean
Start	10809	End	11577
GI	none	Score	189
Exons	10809..11114, 10924..11133, 10972..11115, 11217..11285, 11218..11265, 11400..11576, 11401..11577		

Seq. No.	13049	Seq. ID	OJ991201_17.0119.C2
Gene No.	27610	Strand	-
Start	28047	End	36923
Name	OJ991201_17.0119.C2.o7.tw	Method	TBLASTX:Wheat
Start	10887	End	11266

GI	none	Score	82
Exons	10887..11114, 10887..10988, 10918..10971, 10918..11112, 10992..11114, 11217..11264, 11221..11265, 11222..11266		

Seq. No.	13049	Seq. ID	OJ991201_17.0119.C2
Gene No.	27610	Strand	-
Start	28047	End	36923
Name	OJ991201_17.0119.C2.o1.tm	Method	TBLASTX:Maize
Start	10917	End	11696
GI	none	Score	268
Exons	10917..11114, 10918..11133, 11217..11273, 11218..11274, 11322..11357, 11388..11507, 11511..11591, 11607..11630, 11658..11696		

Seq. No.	13049	Seq. ID	OJ991201_17.0119.C2
Gene No.	27610	Strand	-
Start	28047	End	36923
Name	OJ991201_17.0119.C2.o1.tc	Method	TBLASTX:Cress
Start	10932	End	11295
GI	none	Score	169
Exons	10932..11114, 10936..11148, 11217..11264, 11221..11295		

Seq. No.	13049	Seq. ID	OJ991201_17.0119.C2
Gene No.	27610	Strand	-
Start	28047	End	36923
Name	OJ991201_17.0119.C2.o2.tc	Method	TBLASTX:Cress
Start	11334	End	11592
GI	none	Score	145
Exons	11334..11357, 11388..11591, 11395..11592		

Seq. No.	13049	Seq. ID	OJ991201_17.0119.C2
Gene No.	27610	Strand	-
Start	28047	End	36923
Name	OJ991201_17.0119.C2.o8.tw	Method	TBLASTX:Wheat
Start	11334	End	35616
GI	none	Score	42
Exons	11334..11357, 11335..11358, 11388..11612, 11395..11595, 11631..11660, 35481..35540, 35575..35616		

Seq. No.	13049	Seq. ID	OJ991201_17.0119.C2
Gene No.	27610	Strand	-
Start	28047	End	36923
Name	OJ991201_17.0119.C2.o6.gs	Method	GENSCAN
Start	28047	End	29702
GI	none	Score	.56
Exons	28047..28789, 28849..28894, 28923..29702		

Seq. No.	13049	Seq. ID	OJ991201_17.0119.C2
Gene No.	27610	Strand	-
Start	28047	End	36923
Name	OJ991201_17.0119.C2.o2.np	Method	AAT/NAP
Start	28050	End	36384
GI	6498441	Score	5076
Exons	28050..28331, 28425..29833, 33004..33634, 33808..33942, 34125..34498, 34538..34987, 35320..36384		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type		

retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	13049	Seq. ID	OJ991201_17.0119.C2
Gene No.	27610	Strand	-
Start	28047	End	36923
Name	OJ991201_17.0119.C2.o2.tw	Method	TBLASTX:Wheat
Start	28059	End	28668
GI	none	Score	76
Exons	28059..28184, 28063..28185, 28199..28522, 28215..28667, 28372..28518, 28432..28668, 28558..28656		

Seq. No.	13049	Seq. ID	OJ991201_17.0119.C2
Gene No.	27610	Strand	-
Start	28047	End	36923
Name	OJ991201_17.0119.C2.o5.tm	Method	TBLASTX:Maize
Start	28182	End	28445
GI	none	Score	222
Exons	28182..28445		

Seq. No.	13049	Seq. ID	OJ991201_17.0119.C2
Gene No.	27610	Strand	-
Start	28047	End	36923
Name	OJ991201_17.0119.C2.o4.tw	Method	TBLASTX:Wheat
Start	28675	End	29043
GI	none	Score	208
Exons	28675..29043, 28689..29042		

Seq. No.	13049	Seq. ID	OJ991201_17.0119.C2
Gene No.	27610	Strand	-
Start	28047	End	36923
Name	OJ991201_17.0119.C2.o2.tm	Method	TBLASTX:Maize
Start	28848	End	29180
GI	none	Score	177
Exons	28848..29180, 28870..29067		

Seq. No.	13049	Seq. ID	OJ991201_17.0119.C2
Gene No.	27610	Strand	-
Start	28047	End	36923
Name	OJ991201_17.0119.C2.o5.tw	Method	TBLASTX:Wheat
Start	29535	End	30017
GI	none	Score	150
Exons	29535..29822, 29617..29865, 29898..30014, 29899..30009, 29913..30017		

Seq. No.	13049	Seq. ID	OJ991201_17.0119.C2
Gene No.	27610	Strand	-
Start	28047	End	36923
Name	OJ991201_17.0119.C2.o3.ts	Method	TBLASTX:Soybean
Start	29589	End	30017
GI	none	Score	90
Exons	29589..29822, 29919..30017		

Seq. No.	13049	Seq. ID	OJ991201_17.0119.C2
Gene No.	27610	Strand	-
Start	28047	End	36923
Name	OJ991201_17.0119.C2.o8.gs	Method	GENSCAN
Start	31997	End	36923

GI	none	Score	.62
Exons	31997..32130, 32396..32511, 33191..33300, 33630..33996, 34125..34418, 34553..34868, 35012..35762, 35862..36923		

Seq. No.	13049	Seq. ID	OJ991201_17.0119.C2
Gene No.	27610	Strand	-
Start	28047	End	36923
Name	OJ991201_17.0119.C2.o10.tw	Method	TBLASTX:Wheat
Start	33009	End	33265
GI	none	Score	118
Exons	33009..33191, 33014..33265		

Seq. No.	13049	Seq. ID	OJ991201_17.0119.C2
Gene No.	27610	Strand	-
Start	28047	End	36923
Name	OJ991201_17.0119.C2.o2.ts	Method	TBLASTX:Soybean
Start	33473	End	33842
GI	none	Score	63
Exons	33473..33523, 33505..33648, 33666..33842, 33730..33828		

Seq. No.	13049	Seq. ID	OJ991201_17.0119.C2
Gene No.	27610	Strand	-
Start	28047	End	36923
Name	OJ991201_17.0119.C2.o3.tw	Method	TBLASTX:Wheat
Start	33517	End	33920
GI	none	Score	82
Exons	33517..33648, 33518..33649, 33586..33822, 33651..33920, 33655..33915		

Seq. No.	13049	Seq. ID	OJ991201_17.0119.C2
Gene No.	27610	Strand	-
Start	28047	End	36923
Name	OJ991201_17.0119.C2.o4.tm	Method	TBLASTX:Maize
Start	33595	End	33978
GI	none	Score	71
Exons	33595..33648, 33648..33977, 33708..33977, 33721..33978		

Seq. No.	13049	Seq. ID	OJ991201_17.0119.C2
Gene No.	27610	Strand	-
Start	28047	End	36923
Name	OJ991201_17.0119.C2.o3.tm	Method	TBLASTX:Maize
Start	34005	End	34360
GI	none	Score	148
Exons	34005..34049, 34050..34319, 34055..34324, 34055..34360		

Seq. No.	13049	Seq. ID	OJ991201_17.0119.C2
Gene No.	27610	Strand	-
Start	28047	End	36923
Name	OJ991201_17.0119.C2.o1.tw	Method	TBLASTX:Wheat
Start	34033	End	34491
GI	none	Score	68
Exons	34033..34278, 34042..34209, 34046..34489, 34049..34489, 34050..34490, 34309..34491, 34360..34491		

Seq. No.	13049	Seq. ID	OJ991201_17.0119.C2
Gene No.	27610	Strand	-
Start	28047	End	36923

Name	OJ991201_17.0119.C2.o4.ts	Method	TBLASTX:Soybean
Start	34085	End	34450
GI	none	Score	114
Exons	34085..34219, 34226..34450		

Seq. No.	13049	Seq. ID	OJ991201_17.0119.C2
Gene No.	27610	Strand	-
Start	28047	End	36923
Name	OJ991201_17.0119.C2.o6.tw	Method	TBLASTX:Wheat
Start	34615	End	35057
GI	none	Score	134
Exons	34615..34995, 34649..34885, 34675..34995, 34989..35057, 34990..35046		

Seq. No.	13049	Seq. ID	OJ991201_17.0119.C2
Gene No.	27610	Strand	-
Start	28047	End	36923
Name	OJ991201_17.0119.C2.o9.tw	Method	TBLASTX:Wheat
Start	35844	End	36186
GI	none	Score	115
Exons	35844..36116, 35878..36117, 36084..36182, 36085..36186		

Seq. No.	13049	Seq. ID	OJ991201_17.0119.C2
Gene No.	27610	Strand	-
Start	28047	End	36923
Name	OJ991201_17.0119.C2.o6.tm	Method	TBLASTX:Maize
Start	35946	End	36231
GI	none	Score	104
Exons	35946..36194, 35947..36231		

Seq. No.	13050	Seq. ID	OJ991201_17.0119.C3
Gene No.	27611	Strand	+
Start	12154	End	16766
Name	OJ991201_17.0119.C3.o3.gs	Method	GENSCAN
Start	12154	End	16766
GI	none	Score	.65
Exons	12154..12521, 12789..12992, 13086..13211, 13216..13468, 13551..13569, 13599..13891, 14186..14206, 15656..15938, 16187..16264, 16432..16766		

Seq. No.	13050	Seq. ID	OJ991201_17.0119.C3
Gene No.	27612	Strand	+
Start	23601	End	30059
Name	OJ991201_17.0119.C3.o5.gs	Method	GENSCAN
Start	23601	End	30059
GI	none	Score	.44
Exons	23601..23673, 24013..24149, 24213..24378, 29632..30059		

Seq. No.	13050	Seq. ID	OJ991201_17.0119.C3
Gene No.	27613	Strand	+
Start	30004	End	30660
Name	OJ991201_17.0119.C3.o1.np	Method	AAT/NAP
Start	30004	End	30660
GI	5923672	Score	121
Exons	30004..30054, 30442..30660		
GI Descrip.	(AC009326) unknown protein [Arabidopsis thaliana]		

Seq. No.	13050	Seq. ID	OJ991201_17.0119.C3
Gene No.	27614	Strand	-
Start	1844	End	9257
Name	OJ991201_17.0119.C3.o1.gs	Method	GENSCAN
Start	1844	End	9257
GI	none	Score	.52
Exons	1844..2026, 2058..2152, 2416..2566, 3063..3231, 3520..3608, 6428..6511, 6726..6821, 7365..7446, 9067..9257		

Seq. No.	13050	Seq. ID	OJ991201_17.0119.C3
Gene No.	27615	Strand	-
Start	30201	End	30608
Name	OJ991201_17.0119.C3.o6.gs	Method	GENSCAN
Start	30201	End	30608
GI	none	Score	.66
Exons	30201..30608		

Seq. No.	13051	Seq. ID	OJ991201_17.0119.C4
Gene No.	27616	Strand	+
Start	1	End	1708
Name	OJ991201_17.0119.C4.o1.np	Method	AAT/NAP
Start	1	End	1705
GI	4895178	Score	522
Exons	1..223, 269..1047, 1084..1504, 1565..1705		
GI Descrip.	(AC007661) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13051	Seq. ID	OJ991201_17.0119.C4
Gene No.	27616	Strand	+
Start	1	End	1708
Name	OJ991201_17.0119.C4.o1.gs	Method	GENSCAN
Start	48	End	1708
GI	none	Score	.48
Exons	48..1708		

Seq. No.	13051	Seq. ID	OJ991201_17.0119.C4
Gene No.	27617	Strand	+
Start	2115	End	4535
Name	OJ991201_17.0119.C4.o1.tm	Method	TBLASTX:Maize
Start	583	End	795
GI	none	Score	73
Exons	583..693, 604..795, 617..793		

Seq. No.	13051	Seq. ID	OJ991201_17.0119.C4
Gene No.	27617	Strand	+
Start	2115	End	4535
Name	OJ991201_17.0119.C4.o2.tm	Method	TBLASTX:Maize
Start	1091	End	1411
GI	none	Score	89
Exons	1091..1195, 1108..1173, 1124..1300, 1153..1383, 1321..1383, 1349..1405, 1352..1411		

Seq. No.	13051	Seq. ID	OJ991201_17.0119.C4
Gene No.	27617	Strand	+
Start	2115	End	4535
Name	OJ991201_17.0119.C4.o2.np	Method	AAT/NAP
Start	2115	End	4535
GI	6721512	Score	207

Exons	2115..2137, 4029..4144, 4172..4305, 4348..4384, 4496..4535		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	13052	Seq. ID	OJ991201_17.0119.C5
Gene No.	27618	Strand	+
Start	3388	End	4967
Name	OJ991201_17.0119.C5.o2.gs	Method	GENSCAN
Start	3388	End	4967
GI	none	Score	.73
Exons	3388..3730, 3820..3951, 4085..4214, 4955..4967		
Seq. No.	13052	Seq. ID	OJ991201_17.0119.C5
Gene No.	27619	Strand	-
Start	3783	End	5286
Name	OJ991201_17.0119.C5.o1.np	Method	AAT/NAP
Start	3783	End	5286
GI	2500716	Score	76
Exons	3783..3971, 5248..5286		
GI Descrip.	PATHOGENESIS-RELATED PROTEIN PR-1 TYPE PRECURSOR gi|1076695|pir||S51679 pathogenesis-related protein (PR-1 type) precursor - European elder gi|603886|emb|CAA87071| (Z46947) pathogenesis-related protein, PR-1 type [Sambucus nigra]		
Seq. No.	13052	Seq. ID	OJ991201_17.0119.C5
Gene No.	27620	Strand	-
Start	6161	End	9666
Name	OJ991201_17.0119.C5.o3.gs	Method	GENSCAN
Start	6161	End	9666
GI	none	Score	.45
Exons	6161..6702, 6982..7480, 9448..9507, 9552..9666		
Seq. No.	13052	Seq. ID	OJ991201_17.0119.C5
Gene No.	27620	Strand	-
Start	6161	End	9666
Name	OJ991201_17.0119.C5.o2.np	Method	AAT/NAP
Start	6547	End	6802
GI	4680197	Score	190
Exons	6547..6802		
GI Descrip.	(AF114171) putative beta-ketoacyl-CoA synthase [Sorghum bicolor]		
Seq. No.	13052	Seq. ID	OJ991201_17.0119.C5
Gene No.	27620	Strand	-
Start	6161	End	9666
Name	OJ991201_17.0119.C5.o1.tw	Method	TBLASTX:Wheat
Start	6612	End	6803
GI	none	Score	163
Exons	6612..6803, 6617..6802		
Seq. No.	13052	Seq. ID	OJ991201_17.0119.C5
Gene No.	27620	Strand	-
Start	6161	End	9666
Name	OJ991201_17.0119.C5.o1.tm	Method	TBLASTX:Maize
Start	6645	End	6802
GI	none	Score	140
Exons	6645..6794, 6653..6802, 6667..6801		
Seq. No.	13052	Seq. ID	OJ991201_17.0119.C5

Gene No.	27620	Strand	-
Start	6161	End	9666
Name	OJ991201_17.0119.C5.o1.tc	Method	TBLASTX:Cress
Start	6653	End	6802
GI	none	Score	117
Exons	6653..6802, 6678..6800		

Seq. No.	13052	Seq. ID	OJ991201_17.0119.C5
Gene No.	27620	Strand	-
Start	6161	End	9666
Name	OJ991201_17.0119.C5.o1.ts	Method	TBLASTX:Soybean
Start	6653	End	6802
GI	none	Score	101
Exons	6653..6802, 6654..6788		

Seq. No.	13053	Seq. ID	OJ991201_17.0119.C6
Gene No.	27621	Strand	+
Start	184	End	3156
Name	OJ991201_17.0119.C6.o1.gs	Method	GENSCAN
Start	184	End	3156
GI	none	Score	.73
Exons	184..387, 459..653, 2020..2103, 2315..2461, 2631..2714, 2852..2885, 2984..3156		

Seq. No.	13053	Seq. ID	OJ991201_17.0119.C6
Gene No.	27621	Strand	+
Start	184	End	3156
Name	OJ991201_17.0119.C6.o1.gp	Method	AAT/GAP
Start	2073	End	3046
GI	2311573	Score	753
Exons	2073..2103, 2190..2234, 2315..2461, 2577..2717, 2854..2886, 2984..3046		
GI Descrip.	4895179/gb|AAD32766.1|AC007661_3 3.0e-47 (AC007661) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13053	Seq. ID	OJ991201_17.0119.C6
Gene No.	27622	Strand	+
Start	10896	End	11124
Name	OJ991201_17.0119.C6.o4.gp	Method	AAT/GAP
Start	10896	End	11124
GI	3761181	Score	337
Exons	10896..11124		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	13053	Seq. ID	OJ991201_17.0119.C6
Gene No.	27623	Strand	+
Start	12118	End	21067
Name	OJ991201_17.0119.C6.o1.np	Method	AAT/NAP
Start	12118	End	21067
GI	5091513	Score	1553
Exons	12118..12858, 13594..14112, 14153..14443, 14939..15011, 19777..19867, 20994..21067		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	13053	Seq. ID	OJ991201_17.0119.C6
Gene No.	27623	Strand	+

Start	12118	End	21067
Name	OJ991201_17.0119.C6.o6.gp	Method	AAT/GAP
Start	16491	End	16719
GI	3761181	Score	335
Exons	16491..16719		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	13053	Seq. ID	OJ991201_17.0119.C6
Gene No.	27624	Strand	+
Start	21273	End	22277
Name	OJ991201_17.0119.C6.o6.gs	Method	GENSCAN
Start	21273	End	22277
GI	none	Score	.47
Exons	21273..21698, 22052..22160, 22180..22277		

Seq. No.	13053	Seq. ID	OJ991201_17.0119.C6
Gene No.	27625	Strand	+
Start	27513	End	31873
Name	OJ991201_17.0119.C6.o3.np	Method	AAT/NAP
Start	27436	End	31873
GI	4895186	Score	1379
Exons	27436..27455, 29264..29336, 29423..29493, 29569..29657, 29740..29872, 29966..30195, 30301..30777, 30850..31044, 31819..31873		
GI Descrip.	(AC007661) similar to axi 1 protein from Nicotiana tabacum [Arabidopsis thaliana]		

Seq. No.	13053	Seq. ID	OJ991201_17.0119.C6
Gene No.	27625	Strand	+
Start	27513	End	31873
Name	OJ991201_17.0119.C6.o8.gs	Method	GENSCAN
Start	27513	End	31487
GI	none	Score	.58
Exons	27513..28088, 29404..29493, 29569..29657, 30301..30777, 30850..31036, 31458..31487		

Seq. No.	13053	Seq. ID	OJ991201_17.0119.C6
Gene No.	27626	Strand	-
Start	3823	End	5861
Name	OJ991201_17.0119.C6.o2.gp	Method	AAT/GAP
Start	3823	End	5479
GI	16463_1.R1084	Score	1043
Exons	3823..4207, 4298..4435, 5430..5479		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	13053	Seq. ID	OJ991201_17.0119.C6
Gene No.	27626	Strand	-
Start	3823	End	5861
Name	OJ991201_17.0119.C6.o3.gs	Method	GENSCAN
Start	4166	End	5861
GI	none	Score	.99
Exons	4166..4207, 4298..4435, 5430..5525, 5637..5861		

Seq. No.	13053	Seq. ID	OJ991201_17.0119.C6
Gene No.	27627	Strand	-

Start	10777	End	10887
Name	OJ991201_17.0119.C6.o3.gp	Method	AAT/GAP
Start	10777	End	10887
GI	5816518	Score	158
Exons	10777..10887		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	13053	Seq. ID	OJ991201_17.0119.C6
Gene No.	27628	Strand	-
Start	16377	End	16482
Name	OJ991201_17.0119.C6.o5.gp	Method	AAT/GAP
Start	16377	End	16482
GI	5816518	Score	163
Exons	16377..16482		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	13053	Seq. ID	OJ991201_17.0119.C6
Gene No.	27629	Strand	-
Start	17264	End	19706
Name	OJ991201_17.0119.C6.o5.gs	Method	GENSCAN
Start	17264	End	19706
GI	none	Score	.56
Exons	17264..17400, 17841..17886, 17970..18070, 18995..19093, 19556..19706		

Seq. No.	13053	Seq. ID	OJ991201_17.0119.C6
Gene No.	27630	Strand	-
Start	23301	End	26489
Name	OJ991201_17.0119.C6.o7.gs	Method	GENSCAN
Start	23301	End	26489
GI	none	Score	.4
Exons	23301..24266, 24402..24589, 26378..26489		

Seq. No.	13053	Seq. ID	OJ991201_17.0119.C6
Gene No.	27631	Strand	-
Start	31822	End	34859
Name	OJ991201_17.0119.C6.o6.tm	Method	TBLASTX:Maize
Start	298	End	1620
GI	none	Score	87
Exons	298..387, 1387..1620, 1392..1526, 1548..1613		

Seq. No.	13053	Seq. ID	OJ991201_17.0119.C6
Gene No.	27631	Strand	-
Start	31822	End	34859
Name	OJ991201_17.0119.C6.o3.tc	Method	TBLASTX:Cress
Start	1387	End	1620
GI	none	Score	192
Exons	1387..1620, 1392..1526, 1546..1602		

Seq. No.	13053	Seq. ID	OJ991201_17.0119.C6
Gene No.	27631	Strand	-
Start	31822	End	34859
Name	OJ991201_17.0119.C6.o2.tm	Method	TBLASTX:Maize
Start	1825	End	2461
GI	none	Score	288

Exons	1825..2025, 1830..2027, 2020..2103, 2021..2104, 2185..2235, 2189..2236, 2190..2237, 2191..2241, 2298..2459, 2313..2459, 2314..2460, 2315..2461		
Seq. No.	13053	Seq. ID	OJ991201_17.0119.C6
Gene No.	27631	Strand	-
Start	31822	End	34859
Name	OJ991201_17.0119.C6.o3.ts	Method	TBLASTX:Soybean
Start	2211	End	2726
GI	none	Score	44
Exons	2211..2237, 2315..2461, 2323..2460, 2568..2726, 2573..2695		
Seq. No.	13053	Seq. ID	OJ991201_17.0119.C6
Gene No.	27631	Strand	-
Start	31822	End	34859
Name	OJ991201_17.0119.C6.o2.tc	Method	TBLASTX:Cress
Start	2351	End	3078
GI	none	Score	117
Exons	2351..2461, 2351..2461, 2568..2726, 2573..2707, 2849..2887, 2851..2886, 2983..3078, 3000..3068		
Seq. No.	13053	Seq. ID	OJ991201_17.0119.C6
Gene No.	27631	Strand	-
Start	31822	End	34859
Name	OJ991201_17.0119.C6.o4.tm	Method	TBLASTX:Maize
Start	4134	End	5867
GI	none	Score	55
Exons	4134..4205, 4166..4207, 4295..4435, 4302..4436, 4308..4436, 4309..4437, 5430..5495, 5430..5495, 5431..5514, 5504..5527, 5505..5528, 5637..5690, 5724..5783, 5734..5781, 5763..5867		
Seq. No.	13053	Seq. ID	OJ991201_17.0119.C6
Gene No.	27631	Strand	-
Start	31822	End	34859
Name	OJ991201_17.0119.C6.o1.tm	Method	TBLASTX:Maize
Start	29261	End	30490
GI	none	Score	47
Exons	29261..29314, 29270..29314, 29436..29492, 29437..29496, 29569..29652, 29569..29607, 29731..29874, 29738..29905, 29972..30205, 30298..30390, 30299..30490, 30302..30487		
Seq. No.	13053	Seq. ID	OJ991201_17.0119.C6
Gene No.	27631	Strand	-
Start	31822	End	34859
Name	OJ991201_17.0119.C6.o2.ts	Method	TBLASTX:Soybean
Start	29267	End	29905
GI	none	Score	87
Exons	29267..29329, 29273..29314, 29436..29492, 29437..29496, 29569..29655, 29569..29655, 29573..29656, 29731..29868, 29738..29905		
Seq. No.	13053	Seq. ID	OJ991201_17.0119.C6
Gene No.	27631	Strand	-
Start	31822	End	34859
Name	OJ991201_17.0119.C6.o1.tc	Method	TBLASTX:Cress
Start	29956	End	30778
GI	none	Score	74

Exons	29956..30198, 29972..30205, 30007..30054, 30109..30210, 30298..30372, 30299..30370, 30300..30371, 30422..30778, 30439..30777, 30617..30778		
Seq. No.	13053	Seq. ID	OJ991201_17.0119.C6
Gene No.	27631	Strand	-
Start	31822	End	34859
Name	OJ991201_17.0119.C6.o1.ts	Method	TBLASTX:Soybean
Start	29972	End	30778
GI	none	Score	218
Exons	29972..30205, 29972..30190, 30298..30390, 30299..30778, 30439..30582, 30616..30777		
Seq. No.	13053	Seq. ID	OJ991201_17.0119.C6
Gene No.	27631	Strand	-
Start	31822	End	34859
Name	OJ991201_17.0119.C6.o3.tm	Method	TBLASTX:Maize
Start	30588	End	30778
GI	none	Score	269
Exons	30588..30773, 30589..30777, 30590..30778		
Seq. No.	13053	Seq. ID	OJ991201_17.0119.C6
Gene No.	27631	Strand	-
Start	31822	End	34859
Name	OJ991201_17.0119.C6.o4.ts	Method	TBLASTX:Soybean
Start	30848	End	31030
GI	none	Score	201
Exons	30848..31012, 30857..31030, 30919..31029		
Seq. No.	13053	Seq. ID	OJ991201_17.0119.C6
Gene No.	27631	Strand	-
Start	31822	End	34859
Name	OJ991201_17.0119.C6.o5.tm	Method	TBLASTX:Maize
Start	30848	End	31036
GI	none	Score	199
Exons	30848..31036, 30848..30982, 30907..31020		
Seq. No.	13053	Seq. ID	OJ991201_17.0119.C6
Gene No.	27631	Strand	-
Start	31822	End	34859
Name	OJ991201_17.0119.C6.o9.gs	Method	GENSCAN
Start	31822	End	34859
GI	none	Score	.64
Exons	31822..31972, 32311..32423, 32615..32857, 33202..33320, 34569..34859		
Seq. No.	13054	Seq. ID	OJ991201_17.0119.C7
Gene No.	27632	Strand	+
Start	1	End	314
Name	OJ991201_17.0119.C7.o1.np	Method	AAT/NAP
Start	1	End	280
GI	4584539	Score	118
Exons	1..280		
GI Descrip.	(AL049608) extensin-like protein [Arabidopsis thaliana]		
Seq. No.	13054	Seq. ID	OJ991201_17.0119.C7
Gene No.	27632	Strand	+

Start	1	End	314
Name	OJ991201_17.0119.C7.o1.gs	Method	GENSCAN
Start	168	End	314
GI	none	Score	.52
Exons	168..314		

Seq. No.	13054	Seq. ID	OJ991201_17.0119.C7
Gene No.	27633	Strand	+
Start	691	End	1022
Name	OJ991201_17.0119.C7.o1.gp	Method	AAT/GAP
Start	691	End	1022
GI	2312654	Score	533
Exons	691..1022		

Seq. No.	13054	Seq. ID	OJ991201_17.0119.C7
Gene No.	27634	Strand	+
Start	1063	End	1332
Name	OJ991201_17.0119.C7.o2.np	Method	AAT/NAP
Start	1063	End	1332
GI	4388718	Score	60
Exons	1063..1332		
GI Descrip.	(AC006413) putative Ty3-gypsy-like retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	13055	Seq. ID	OJ991201_17.0119.C8
Gene No.	27635	Strand	+
Start	1444	End	4626
Name	OJ991201_17.0119.C8.o1.gs	Method	GENSCAN
Start	1444	End	3811
GI	none	Score	.48
Exons	1444..1546, 3583..3688, 3745..3811		

Seq. No.	13055	Seq. ID	OJ991201_17.0119.C8
Gene No.	27635	Strand	+
Start	1444	End	4626
Name	OJ991201_17.0119.C8.o1.gp	Method	AAT/GAP
Start	3566	End	4626
GI	14962_1.R1084	Score	984
Exons	3566..3709, 4228..4626		
GI Descrip.	'3861402/emb|CAA15301| 5.0e-12 (AJ235273) 50S RIBOSOMAL PROTEIN L33 (rpmG) [Rickettsia prowazekii]'		

Seq. No.	13055	Seq. ID	OJ991201_17.0119.C8
Gene No.	27636	Strand	+
Start	10577	End	16974
Name	OJ991201_17.0119.C8.o3.gs	Method	GENSCAN
Start	10577	End	16974
GI	none	Score	.55
Exons	10577..10676, 10946..11125, 11167..11321, 11502..11609, 13889..13995, 14221..14267, 14354..14870, 16752..16974		

Seq. No.	13055	Seq. ID	OJ991201_17.0119.C8
Gene No.	27637	Strand	-
Start	4088	End	7524
Name	OJ991201_17.0119.C8.o2.gs	Method	GENSCAN
Start	4088	End	7524
GI	none	Score	.56

Exons	4088..4303, 4780..4808, 5079..5204, 5360..5433, 6027..6107, 7397..7524		
Seq. No.	13055	Seq. ID	OJ991201_17.0119.C8
Gene No.	27638	Strand	-
Start	17324	End	17533
Name	OJ991201_17.0119.C8.o2.tm	Method	TBLASTX:Maize
Start	4238	End	4422
GI	none	Score	290
Exons	4238..4414, 4239..4415, 4239..4415, 4240..4422		
Seq. No.	13055	Seq. ID	OJ991201_17.0119.C8
Gene No.	27638	Strand	-
Start	17324	End	17533
Name	OJ991201_17.0119.C8.o1.tm	Method	TBLASTX:Maize
Start	13994	End	14871
GI	none	Score	50
Exons	13994..14032, 14008..14076, 14070..14114, 14071..14106, 14448..14474, 14449..14475, 14473..14562, 14481..14561, 14613..14870, 14614..14871		
Seq. No.	13055	Seq. ID	OJ991201_17.0119.C8
Gene No.	27638	Strand	-
Start	17324	End	17533
Name	OJ991201_17.0119.C8.o1.tc	Method	TBLASTX:Cress
Start	14716	End	16836
GI	none	Score	197
Exons	14716..14871, 14721..14885, 16750..16836		
Seq. No.	13055	Seq. ID	OJ991201_17.0119.C8
Gene No.	27638	Strand	-
Start	17324	End	17533
Name	OJ991201_17.0119.C8.o1.ts	Method	TBLASTX:Soybean
Start	16749	End	16968
GI	none	Score	54
Exons	16749..16793, 16750..16842, 16830..16952, 16867..16968, 16867..16962, 16875..16967		
Seq. No.	13055	Seq. ID	OJ991201_17.0119.C8
Gene No.	27638	Strand	-
Start	17324	End	17533
Name	OJ991201_17.0119.C8.o3.tm	Method	TBLASTX:Maize
Start	16749	End	16923
GI	none	Score	125
Exons	16749..16841, 16750..16890, 16759..16857, 16867..16923, 16871..16921, 16875..16922		
Seq. No.	13055	Seq. ID	OJ991201_17.0119.C8
Gene No.	27638	Strand	-
Start	17324	End	17533
Name	OJ991201_17.0119.C8.o4.gs	Method	GENSCAN
Start	17324	End	17533
GI	none	Score	.63
Exons	17324..17533		
Seq. No.	13056	Seq. ID	OJ991201_17.0119.C9
Gene No.	27639	Strand	+

Start	164	End	814
Name	OJ991201_17.0119.C9.o1.gs	Method	GENSCAN
Start	164	End	814
GI	none	Score	.98
Exons	164..814		

Seq. No.	13056	Seq. ID	OJ991201_17.0119.C9
Gene No.	27640	Strand	-
Start	240	End	865
Name	OJ991201_17.0119.C9.o1.np	Method	AAT/NAP
Start	240	End	865
GI	5091512	Score	845
Exons	240..653, 700..865		
GI Descrip.	(AB023482) Similar to Plasmodium vivax circumsporozoite protein gene, complete cds.(M11926) [Oryza sativa]		

Seq. No.	13057	Seq. ID	OJ991011_13.0103.C4
Gene No.	27641	Strand	+
Start	4596	End	6772
Name	OJ991011_13.0103.C4.o2.gs	Method	GENSCAN
Start	4596	End	6772
GI	none	Score	.69
Exons	4596..4803, 4840..4953, 5016..5084, 6756..6772		

Seq. No.	13057	Seq. ID	OJ991011_13.0103.C4
Gene No.	27642	Strand	+
Start	7300	End	9348
Name	OJ991011_13.0103.C4.o1.gp	Method	AAT/GAP
Start	7189	End	7852
GI	none	Score	806
Exons	7189..7565, 7805..7852		

Seq. No.	13057	Seq. ID	OJ991011_13.0103.C4
Gene No.	27642	Strand	+
Start	7300	End	9348
Name	OJ991011_13.0103.C4.o3.gs	Method	GENSCAN
Start	7300	End	8801
GI	none	Score	.94
Exons	7300..7712, 7805..7967, 8066..8468, 8545..8801		

Seq. No.	13057	Seq. ID	OJ991011_13.0103.C4
Gene No.	27642	Strand	+
Start	7300	End	9348
Name	OJ991011_13.0103.C4.o1.np	Method	AAT/NAP
Start	7320	End	9348
GI	2760321	Score	833
Exons	7320..7565, 7805..7967, 8066..8521, 8575..8777, 9271..9348		
GI Descrip.	(AC002130) F1N21.6 [Arabidopsis thaliana]		

Seq. No.	13057	Seq. ID	OJ991011_13.0103.C4
Gene No.	27643	Strand	+
Start	10541	End	13224
Name	OJ991011_13.0103.C4.o1.ts	Method	TBLASTX:Soybean
Start	7784	End	8774
GI	none	Score	185
Exons	7784..7972, 7785..7967, 8066..8401, 8168..8263, 8257..8379, 8621..8755, 8679..8774		

Seq. No.	13057	Seq. ID	OJ991011_13.0103.C4
Gene No.	27643	Strand	+
Start	10541	End	13224
Name	OJ991011_13.0103.C4.o1.tc	Method	TBLASTX:Cress
Start	7871	End	8287
GI	none	Score	118
Exons	7871..7972, 7872..7967, 8066..8287		

Seq. No.	13057	Seq. ID	OJ991011_13.0103.C4
Gene No.	27643	Strand	+
Start	10541	End	13224
Name	OJ991011_13.0103.C4.o1.tw	Method	TBLASTX:Wheat
Start	7911	End	8362
GI	none	Score	71
Exons	7911..7967, 7913..7972, 8065..8091, 8066..8362, 8162..8209, 8251..8361		

Seq. No.	13057	Seq. ID	OJ991011_13.0103.C4
Gene No.	27643	Strand	+
Start	10541	End	13224
Name	OJ991011_13.0103.C4.o1.tm	Method	TBLASTX:Maize
Start	8066	End	8383
GI	none	Score	293
Exons	8066..8383, 8162..8263, 8254..8382		

Seq. No.	13057	Seq. ID	OJ991011_13.0103.C4
Gene No.	27643	Strand	+
Start	10541	End	13224
Name	OJ991011_13.0103.C4.o4.gs	Method	GENSCAN
Start	10541	End	13224
GI	none	Score	.68
Exons	10541..10555, 11137..11178, 12109..12214, 12625..12831, 13064..13224		

Seq. No.	13058	Seq. ID	OJ991011_13.0103.C5
Gene No.	27644	Strand	+
Start	2792	End	5067
Name	OJ991011_13.0103.C5.o1.gs	Method	GENSCAN
Start	2792	End	5067
GI	none	Score	.41
Exons	2792..2881, 3906..4127, 4742..4865, 4901..5067		

Seq. No.	13058	Seq. ID	OJ991011_13.0103.C5
Gene No.	27645	Strand	+
Start	5046	End	5237
Name	OJ991011_13.0103.C5.o1.gp	Method	AAT/GAP
Start	5046	End	5237
GI	4287_1.R1084	Score	354
Exons	5046..5237		
GI Descrip.	'100226/pir||S21495 2.0e-23 hypothetical protein - tomato >gi_19275_emb_CAA78112_ (Z12127) protein of unknown function [Lycopersicon esculentum] >gi_445619_prf__1909366A Leu zipper protein [Lycopersicon esculentum]'		

Seq. No.	13058	Seq. ID	OJ991011_13.0103.C5
Gene No.	27646	Strand	-

Start	4290	End	4428
Name	OJ991011_13.0103.C5.o1.np	Method	AAT/NAP
Start	4290	End	4428
GI	6069646	Score	120
Exons	4290..4428		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27647	Strand	+
Start	2964	End	5372
Name	OJ991011_13.0103.C6.o2.np	Method	AAT/NAP
Start	2964	End	5372
GI	6523084	Score	1026
Exons	2964..3015, 3851..4227, 4261..4823, 5096..5372		
GI Descrip.	(AL133315) putative protein [Arabidopsis thaliana] gi|6686786|emb|CAB64720.1| (AJ132317) AKIN gamma [Arabidopsis thaliana]		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27648	Strand	+
Start	45941	End	46114
Name	OJ991011_13.0103.C6.o8.gp	Method	AAT/GAP
Start	45941	End	46114
GI	5667165	Score	284
Exons	45941..46114		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27649	Strand	+
Start	46220	End	47679
Name	OJ991011_13.0103.C6.o6.np	Method	AAT/NAP
Start	46220	End	47679
GI	6907086	Score	1114
Exons	46220..46996, 47057..47228, 47460..47679		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27650	Strand	-
Start	1	End	3684
Name	OJ991011_13.0103.C6.o1.np	Method	AAT/NAP
Start	1	End	3266
GI	1524370	Score	413
Exons	1..78, 1102..1185, 1473..1520, 1701..1870, 2945..3023, 3171..3266		
GI Descrip.	(X92491) TOM20 [Solanum tuberosum]		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27650	Strand	-
Start	1	End	3684
Name	OJ991011_13.0103.C6.o1.gs	Method	GENSCAN
Start	29	End	3684
GI	none	Score	.96

Exons 29..78, 1701..1870, 2945..3023, 3171..3313, 3588..3684

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27650	Strand	-
Start	1	End	3684
Name	OJ991011_13.0103.C6.o1.gp	Method	AAT/GAP
Start	1739	End	3406
GI	6359_1.R1084	Score	839
Exons	1739..1870, 2945..3023, 3171..3406		
GI Descrip.	'100226/pir||S21495 2.0e-23 hypothetical protein - tomato >gi_19275_emb_CAA78112_ (Z12127) protein of unknown function [Lycopersicon esculentum] >gi_445619_prf__1909366A Leu zipper protein [Lycopersicon esculentum]'		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27651	Strand	-
Start	5843	End	9055
Name	OJ991011_13.0103.C6.o2.gp	Method	AAT/GAP
Start	5843	End	7330
GI	3767991	Score	1316
Exons	5843..5865, 5938..6301, 7003..7330		
GI Descrip.	4587550/gb|AAD25781.1|AC006577_17 1.0e-23 (AC006577) EST gb_R64848 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27651	Strand	-
Start	5843	End	9055
Name	OJ991011_13.0103.C6.o3.np	Method	AAT/NAP
Start	7016	End	8793
GI	6730754	Score	891
Exons	7016..8793		
GI Descrip.	(AC016529) unknown protein [Arabidopsis thaliana]		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27651	Strand	-
Start	5843	End	9055
Name	OJ991011_13.0103.C6.o3.gs	Method	GENSCAN
Start	7029	End	8969
GI	none	Score	.74
Exons	7029..8969		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27651	Strand	-
Start	5843	End	9055
Name	OJ991011_13.0103.C6.o3.gp	Method	AAT/GAP
Start	7353	End	7783
GI	568407	Score	817
Exons	7353..7783		
GI Descrip.	100226/pir||S21495 2.0e-23 hypothetical protein - tomato >gi_19275_emb_CAA78112_ (Z12127) protein of unknown function [Lycopersicon esculentum] >gi_445619_prf__1909366A Leu zipper protein [Lycopersicon esculentum]		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27651	Strand	-
Start	5843	End	9055
Name	OJ991011_13.0103.C6.o4.gp	Method	AAT/GAP

Start	8091	End	9055
GI	3761668	Score	590
Exons	8091..8204, 8790..9055		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27652	Strand	-
Start	9772	End	24533
Name	OJ991011_13.0103.C6.o4.gs	Method	GENSCAN
Start	9772	End	24533
GI	none	Score	.56
Exons	9772..9869, 10944..11034, 11544..11704, 11729..11882, 12038..12133, 12288..12451, 13329..13911, 14807..14924, 15446..15595, 16549..16652, 16742..16798, 17262..17312, 17397..17546, 19996..20103, 20384..20466, 20742..20838, 20962..21030, 21146..21232, 21374..21548, 21780..22031, 23004..23063, 23092..23209, 24494..24533		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27652	Strand	-
Start	9772	End	24533
Name	OJ991011_13.0103.C6.o5.gp	Method	AAT/GAP
Start	13597	End	13909
GI	none	Score	594
Exons	13597..13909		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27652	Strand	-
Start	9772	End	24533
Name	OJ991011_13.0103.C6.o4.np	Method	AAT/NAP
Start	15451	End	23229
GI	6382536	Score	1902
Exons	15451..15595, 15687..15750, 15853..15962, 16320..16410, 16505..16652, 16742..16910, 17397..17546, 17754..17821, 18859..18984, 19282..19355, 19448..19555, 19683..19812, 20004..20103, 20384..20466, 20742..20856, 20958..21030, 21146..21232, 21374..21542, 21780..22031, 22382..22455, 22912..23229		
GI Descrip.	(AC011020) putative glucosidase I [Arabidopsis thaliana]		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27653	Strand	-
Start	27799	End	43218
Name	OJ991011_13.0103.C6.o10.tm	Method	TBLASTX:Maize
Start	4	End	3365
GI	none	Score	101
Exons	4..78, 5..70, 1107..1187, 1111..1191, 1117..1191, 1473..1520, 1682..1873, 1693..1872, 1710..1886, 2915..3016, 2925..3035, 2950..3021, 2955..3026, 3171..3263, 3171..3245, 3193..3273, 3203..3274, 3333..3365		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27653	Strand	-
Start	27799	End	43218
Name	OJ991011_13.0103.C6.o1.ts	Method	TBLASTX:Soybean
Start	3814	End	4812
GI	none	Score	81
Exons	3814..3909, 3862..3909, 3913..3987, 4006..4188, 4014..4169,		

4294..4401, 4353..4400, 4393..4674, 4395..4718, 4399..4719,
4728..4811, 4738..4812

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27653	Strand	-
Start	27799	End	43218
Name	OJ991011_13.0103.C6.o3.tc	Method	TBLASTX:Cress
Start	3864	End	4161
GI	none	Score	73
Exons	3864..3905, 3865..3909, 3919..4011, 4003..4161, 4005..4160		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27653	Strand	-
Start	27799	End	43218
Name	OJ991011_13.0103.C6.o2.tm	Method	TBLASTX:Maize
Start	3865	End	5375
GI	none	Score	68
Exons	3865..3909, 3865..3909, 3919..3993, 4003..4188, 4008..4163, 4261..4728, 4338..4727, 5157..5375, 5165..5371		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27653	Strand	-
Start	27799	End	43218
Name	OJ991011_13.0103.C6.o5.tc	Method	TBLASTX:Cress
Start	4324	End	4613
GI	none	Score	220
Exons	4324..4512, 4338..4496, 4519..4563, 4539..4613		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27653	Strand	-
Start	27799	End	43218
Name	OJ991011_13.0103.C6.o4.tc	Method	TBLASTX:Cress
Start	5100	End	5383
GI	none	Score	238
Exons	5100..5378, 5168..5383		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27653	Strand	-
Start	27799	End	43218
Name	OJ991011_13.0103.C6.o8.ts	Method	TBLASTX:Soybean
Start	5162	End	5384
GI	none	Score	219
Exons	5162..5371, 5163..5384		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27653	Strand	-
Start	27799	End	43218
Name	OJ991011_13.0103.C6.o1.tm	Method	TBLASTX:Maize
Start	7015	End	7628
GI	none	Score	193
Exons	7015..7227, 7015..7212, 7029..7226, 7225..7614, 7226..7609, 7227..7628, 7231..7614, 7569..7622		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27653	Strand	-
Start	27799	End	43218
Name	OJ991011_13.0103.C6.o4.ts	Method	TBLASTX:Soybean

Start	7074	End	7406
GI	none	Score	105
Exons	7074..7319, 7093..7275, 7296..7406		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27653	Strand	-
Start	27799	End	43218
Name	OJ991011_13.0103.C6.o1.tc	Method	TBLASTX:Cress
Start	7179	End	7748
GI	none	Score	53
Exons	7179..7319, 7180..7275, 7296..7460, 7336..7461, 7461..7610, 7656..7748		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27653	Strand	-
Start	27799	End	43218
Name	OJ991011_13.0103.C6.o1.tw	Method	TBLASTX:Wheat
Start	7194	End	7568
GI	none	Score	83
Exons	7194..7313, 7311..7568, 7338..7514		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27653	Strand	-
Start	27799	End	43218
Name	OJ991011_13.0103.C6.o3.ts	Method	TBLASTX:Soybean
Start	7494	End	8033
GI	none	Score	67
Exons	7494..7610, 7653..7832, 7653..7859, 7681..7860, 7866..8009, 7884..8033, 7928..8032		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27653	Strand	-
Start	27799	End	43218
Name	OJ991011_13.0103.C6.o3.tm	Method	TBLASTX:Maize
Start	7629	End	8246
GI	none	Score	263
Exons	7629..8228, 7650..8246, 7681..8241		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27653	Strand	-
Start	27799	End	43218
Name	OJ991011_13.0103.C6.o7.ts	Method	TBLASTX:Soybean
Start	8064	End	8292
GI	none	Score	77
Exons	8064..8291, 8134..8292		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27653	Strand	-
Start	27799	End	43218
Name	OJ991011_13.0103.C6.o2.tc	Method	TBLASTX:Cress
Start	11487	End	11886
GI	none	Score	36
Exons	11487..11885, 11500..11571, 11628..11885, 11794..11886		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27653	Strand	-
Start	27799	End	43218

Name	OJ991011_13.0103.C6.o6.ts	Method	TBLASTX:Soybean
Start	11493	End	11774
GI	none	Score	86
Exons	11493..11681, 11493..11774		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27653	Strand	-
Start	27799	End	43218
Name	OJ991011_13.0103.C6.o4.tm	Method	TBLASTX:Maize
Start	11574	End	11860
GI	none	Score	301
Exons	11574..11858, 11574..11858, 11575..11859, 11576..11860, 11576..11860		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27653	Strand	-
Start	27799	End	43218
Name	OJ991011_13.0103.C6.o3.tw	Method	TBLASTX:Wheat
Start	11594	End	11885
GI	none	Score	95
Exons	11594..11824, 11595..11885, 11794..11880		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27653	Strand	-
Start	27799	End	43218
Name	OJ991011_13.0103.C6.o2.ts	Method	TBLASTX:Soybean
Start	15410	End	15937
GI	none	Score	153
Exons	15410..15595, 15442..15597, 15460..15597, 15528..15602, 15680..15757, 15683..15751, 15853..15936, 15853..15936, 15854..15937		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27653	Strand	-
Start	27799	End	43218
Name	OJ991011_13.0103.C6.o7.tm	Method	TBLASTX:Maize
Start	15410	End	15911
GI	none	Score	153
Exons	15410..15595, 15413..15595, 15442..15597, 15460..15597, 15528..15602, 15680..15757, 15683..15751, 15853..15906, 15854..15910, 15855..15911		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27653	Strand	-
Start	27799	End	43218
Name	OJ991011_13.0103.C6.o5.ts	Method	TBLASTX:Soybean
Start	16506	End	19362
GI	none	Score	154
Exons	16506..16655, 16506..16655, 16733..16801, 16740..16796, 16741..16800, 17255..17314, 17262..17315, 17395..17547, 17397..17528, 17748..17822, 17749..17823, 18833..18985, 18854..18997, 19272..19361, 19273..19362, 19273..19356, 19283..19357		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27653	Strand	-
Start	27799	End	43218

Name	OJ991011_13.0103.C6.o9.tm	Method	TBLASTX:Maize
Start	18927	End	20428
GI	none	Score	74
Exons	18927..18986, 18929..18985, 18932..18997, 19272..19361, 19273..19362, 19273..19356, 19283..19357, 19438..19554, 19439..19555, 19448..19555, 19449..19556, 19471..19557, 19681..19803, 19682..19804, 19683..19811, 19698..19826, 19991..20095, 19996..20106, 19997..20095, 20381..20428		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27653	Strand	-
Start	27799	End	43218
Name	OJ991011_13.0103.C6.o2.tw	Method	TBLASTX:Wheat
Start	19272	End	20110
GI	none	Score	129
Exons	19272..19361, 19273..19362, 19273..19356, 19283..19357, 19438..19554, 19439..19555, 19448..19555, 19468..19557, 19681..19803, 19682..19804, 19682..19804, 19683..19811, 19698..19826, 19991..20095, 19996..20106, 19999..20106, 20000..20110		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27653	Strand	-
Start	27799	End	43218
Name	OJ991011_13.0103.C6.o5.np	Method	AAT/NAP
Start	27316	End	41665
GI	2827651	Score	1046
Exons	27316..27364, 27866..28305, 28418..28763, 32063..32169, 38987..39100, 40602..41055, 41316..41665		
GI Descrip.	(AL021637) putative protein [Arabidopsis thaliana]		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27653	Strand	-
Start	27799	End	43218
Name	OJ991011_13.0103.C6.o6.tm	Method	TBLASTX:Maize
Start	27791	End	40806
GI	none	Score	275
Exons	27791..28024, 27799..28026, 27937..28026, 30973..31185, 30992..31144, 37445..37558, 37471..37620, 40639..40737, 40738..40806		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27653	Strand	-
Start	27799	End	43218
Name	OJ991011_13.0103.C6.o5.gs	Method	GENSCAN
Start	27799	End	29115
GI	none	Score	.94
Exons	27799..28374, 28451..28798, 28888..29115		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27653	Strand	-
Start	27799	End	43218
Name	OJ991011_13.0103.C6.o10.ts	Method	TBLASTX:Soybean
Start	27826	End	40809
GI	none	Score	90
Exons	27826..28026, 27854..28024, 30964..31194, 31028..31159, 37471..37620, 37481..37621, 40633..40737, 40750..40809		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27653	Strand	-
Start	27799	End	43218
Name	OJ991011_13.0103.C6.o5.tm	Method	TBLASTX:Maize
Start	28066	End	41061
GI	none	Score	270
Exons	28066..28308, 28070..28294, 31198..31269, 31198..31437, 31217..31438, 40810..41046, 40906..41061		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27653	Strand	-
Start	27799	End	43218
Name	OJ991011_13.0103.C6.o6.tc	Method	TBLASTX:Cress
Start	28081	End	41456
GI	none	Score	78
Exons	28081..28305, 28418..28534, 31219..31437, 31913..32053, 40898..41068, 40900..41046, 40921..41073, 41316..41456		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27653	Strand	-
Start	27799	End	43218
Name	OJ991011_13.0103.C6.o11.tm	Method	TBLASTX:Maize
Start	28418	End	41486
GI	none	Score	141
Exons	28418..28564, 28550..28597, 31911..32081, 31913..32080, 37622..37672, 41314..41475, 41314..41463, 41316..41486		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27653	Strand	-
Start	27799	End	43218
Name	OJ991011_13.0103.C6.o4.tw	Method	TBLASTX:Wheat
Start	28556	End	41678
GI	none	Score	74
Exons	28556..28672, 28556..28768, 28557..28772, 32045..32272, 32061..32270, 37631..37858, 37647..37895, 41445..41474, 41538..41678, 41539..41661		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27653	Strand	-
Start	27799	End	43218
Name	OJ991011_13.0103.C6.o9.ts	Method	TBLASTX:Soybean
Start	28580	End	41663
GI	none	Score	103
Exons	28580..28765, 28584..28772, 32069..32260, 32130..32237, 37721..37846, 37722..37811, 41535..41663, 41539..41640		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27653	Strand	-
Start	27799	End	43218
Name	OJ991011_13.0103.C6.o8.tm	Method	TBLASTX:Maize
Start	28599	End	41669
GI	none	Score	231
Exons	28599..28772, 28601..28798, 28985..29110, 29027..29095, 29035..29121, 32129..32263, 32136..32276, 37715..37849, 37722..37862, 41532..41669, 41536..41640		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27653	Strand	-
Start	27799	End	43218
Name	OJ991011_13.0103.C6.o6.gs	Method	GENSCAN
Start	30922	End	32962
GI	none	Score	.95
Exons	30922..31437, 31913..32275, 32753..32962		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27653	Strand	-
Start	27799	End	43218
Name	OJ991011_13.0103.C6.o7.gs	Method	GENSCAN
Start	34686	End	36232
GI	none	Score	.43
Exons	34686..34796, 36110..36232		

Seq. No.	13059	Seq. ID	OJ991011_13.0103.C6
Gene No.	27653	Strand	-
Start	27799	End	43218
Name	OJ991011_13.0103.C6.o8.gs	Method	GENSCAN
Start	37384	End	43218
GI	none	Score	.5
Exons	37384..37584, 37586..37861, 38850..39025, 40345..40362, 40593..41055, 41316..41678, 43003..43218		

Seq. No.	13060	Seq. ID	OJ991011_13.0103.C7
Gene No.	27654	Strand	+
Start	1749	End	12938
Name	OJ991011_13.0103.C7.o1.np	Method	AAT/NAP
Start	1749	End	12902
GI	3549667	Score	2015
Exons	1749..1796, 5503..5868, 6812..7094, 7179..7207, 7307..7408, 7700..7768, 7853..7912, 8005..8118, 8307..8355, 8805..8914, 9008..9100, 9196..9288, 9490..9627, 9920..10027, 10682..10826, 11101..11258, 11345..11491, 12361..12413, 12528..12627, 12723..12902		
GI Descrip.	(AL031394) Arabidopsis dynamin-like protein ADL2 [Arabidopsis thaliana]		

Seq. No.	13060	Seq. ID	OJ991011_13.0103.C7
Gene No.	27654	Strand	+
Start	1749	End	12938
Name	OJ991011_13.0103.C7.o2.gs	Method	GENSCAN
Start	5482	End	12938
GI	none	Score	.58
Exons	5482..5868, 6812..7094, 7179..7207, 7307..7408, 7853..7912, 8005..8118, 8307..8355, 8805..9100, 9196..9288, 9490..9627, 9920..10027, 10688..10739, 11101..11258, 11345..11491, 12361..12413, 12528..12627, 12723..12938		

Seq. No.	13060	Seq. ID	OJ991011_13.0103.C7
Gene No.	27654	Strand	+
Start	1749	End	12938
Name	OJ991011_13.0103.C7.o2.gp	Method	AAT/GAP
Start	7310	End	8858
GI	uC-osflcyp064d05b1	Score	778
Exons	7310..7408, 7700..7768, 7853..7912, 8005..8118, 8307..8355,		

	8805..8858		
GI Descrip.	'3549667/emb|CAA20578.1| 9.0e-53 (AL031394) Arabidopsis dynamin-like protein ADL2 [Arabidopsis thaliana]'		
Seq. No.	13060	Seq. ID	OJ991011_13.0103.C7
Gene No.	27654	Strand	+
Start	1749	End	12938
Name	OJ991011_13.0103.C7.o3.gp	Method	AAT/GAP
Start	9064	End	9952
GI	uC-osroM202014a11b1	Score	498
Exons	9064..9100, 9196..9288, 9490..9627, 9920..9952		
GI Descrip.	'3549667/emb|CAA20578.1| 7.0e-38 (AL031394) Arabidopsis dynamin-like protein ADL2 [Arabidopsis thaliana]'		
Seq. No.	13060	Seq. ID	OJ991011_13.0103.C7
Gene No.	27654	Strand	+
Start	1749	End	12938
Name	OJ991011_13.0103.C7.o4.gp	Method	AAT/GAP
Start	11068	End	12818
GI	15720_1.R1084	Score	1012
Exons	11068..11258, 11345..11491, 12361..12413, 12528..12627, 12723..12818		
GI Descrip.	'3549667/emb|CAA20578.1| 4.0e-52 (AL031394) Arabidopsis dynamin-like protein ADL2 [Arabidopsis thaliana]'		
Seq. No.	13060	Seq. ID	OJ991011_13.0103.C7
Gene No.	27655	Strand	-
Start	1462	End	4652
Name	OJ991011_13.0103.C7.o5.ts	Method	TBLASTX:Soybean
Start	1447	End	1689
GI	none	Score	61
Exons	1447..1689, 1592..1684		
Seq. No.	13060	Seq. ID	OJ991011_13.0103.C7
Gene No.	27655	Strand	-
Start	1462	End	4652
Name	OJ991011_13.0103.C7.o1.gs	Method	GENSCAN
Start	1462	End	4652
GI	none	Score	.72
Exons	1462..1947, 2454..2843, 2950..3190, 4465..4652		
Seq. No.	13060	Seq. ID	OJ991011_13.0103.C7
Gene No.	27655	Strand	-
Start	1462	End	4652
Name	OJ991011_13.0103.C7.o4.tm	Method	TBLASTX:Maize
Start	1522	End	1878
GI	none	Score	101
Exons	1522..1695, 1531..1692, 1708..1878		
Seq. No.	13060	Seq. ID	OJ991011_13.0103.C7
Gene No.	27655	Strand	-
Start	1462	End	4652
Name	OJ991011_13.0103.C7.o5.tm	Method	TBLASTX:Maize
Start	1879	End	2664
GI	none	Score	63
Exons	1879..1947, 2423..2494, 2452..2664, 2452..2550, 2454..2660		

Seq. No.	13060	Seq. ID	OJ991011_13.0103.C7
Gene No.	27655	Strand	-
Start	1462	End	4652
Name	OJ991011_13.0103.C7.o2.tw	Method	TBLASTX:Wheat
Start	2586	End	2777
GI	none	Score	102
Exons	2586..2777, 2587..2757		

Seq. No.	13060	Seq. ID	OJ991011_13.0103.C7
Gene No.	27655	Strand	-
Start	1462	End	4652
Name	OJ991011_13.0103.C7.o1.gp	Method	AAT/GAP
Start	2652	End	3232
GI	none	Score	922
Exons	2652..2843, 2950..3232		

Seq. No.	13060	Seq. ID	OJ991011_13.0103.C7
Gene No.	27656	Strand	
Start	5551	End	13230
Name	OJ991011_13.0103.C7.o1.tc	Method	TBLASTX:Cress
Start	5551	End	12773
GI	none	Score	344
Exons	5551..5868, 5553..5633, 5578..5802, 5679..5822, 6800..7096, 6805..7095, 6806..7096, 7160..7201, 7174..7206, 7178..7210, 7288..7398, 7295..7408, 7664..7771, 7856..7921, 7861..7908, 8001..8123, 8002..8124, 8304..8354, 8795..8923, 8803..8922, 9005..9124, 9043..9102, 9187..9291, 9195..9293, 9486..9575, 9490..9567, 9914..9991, 9921..10001, 11288..11494, 11344..11493, 12340..12414, 12354..12413, 12507..12620, 12526..12627, 12720..12773		

Seq. No.	13060	Seq. ID	OJ991011_13.0103.C7
Gene No.	27656	Strand	
Start	5551	End	13230
Name	OJ991011_13.0103.C7.o2.ts	Method	TBLASTX:Soybean
Start	5551	End	5868
GI	none	Score	335
Exons	5551..5868, 5553..5825		

Seq. No.	13060	Seq. ID	OJ991011_13.0103.C7
Gene No.	27656	Strand	
Start	5551	End	13230
Name	OJ991011_13.0103.C7.o1.ts	Method	TBLASTX:Soybean
Start	6826	End	7408
GI	none	Score	394
Exons	6826..7095, 6827..7096, 7178..7210, 7295..7408, 7303..7404		

Seq. No.	13060	Seq. ID	OJ991011_13.0103.C7
Gene No.	27656	Strand	
Start	5551	End	13230
Name	OJ991011_13.0103.C7.o1.tm	Method	TBLASTX:Maize
Start	6893	End	7351
GI	none	Score	325
Exons	6893..7096, 6897..7049, 6898..7101, 6898..7095, 7147..7206, 7180..7206, 7295..7351, 7295..7351		

Seq. No.	13060	Seq. ID	OJ991011_13.0103.C7

Gene No.	27656	Strand	
Start	5551	End	13230
Name	OJ991011_13.0103.C7.o2.tm	Method	TBLASTX:Maize
Start	7361	End	9631
GI	none	Score	81
Exons	7361..7420, 7664..7768, 7697..7768, 7852..7911, 7853..7921, 8002..8124, 8002..8103, 8004..8123, 8304..8354, 8306..8368, 8306..8368, 8795..8923, 8803..8922, 8805..8936, 9001..9099, 9005..9124, 9005..9097, 9043..9102, 9187..9291, 9188..9337, 9195..9293, 9202..9351, 9477..9590, 9482..9631, 9483..9626, 9490..9627		

Seq. No.	13060	Seq. ID	OJ991011_13.0103.C7
Gene No.	27656	Strand	
Start	5551	End	13230
Name	OJ991011_13.0103.C7.o3.ts	Method	TBLASTX:Soybean
Start	7885	End	9991
GI	none	Score	44
Exons	7885..7908, 7886..7915, 8002..8124, 8004..8123, 8304..8354, 8795..8923, 8795..8914, 8803..8922, 8808..8936, 9005..9124, 9005..9076, 9043..9102, 9187..9291, 9195..9293, 9486..9590, 9490..9630, 9601..9630, 9908..9991		

Seq. No.	13060	Seq. ID	OJ991011_13.0103.C7
Gene No.	27656	Strand	
Start	5551	End	13230
Name	OJ991011_13.0103.C7.o1.tw	Method	TBLASTX:Wheat
Start	8309	End	9293
GI	none	Score	70
Exons	8309..8368, 8310..8354, 8795..8836, 8803..8832, 8830..8922, 8840..8923, 9005..9103, 9005..9064, 9043..9102, 9187..9291, 9195..9293, 9195..9293		

Seq. No.	13060	Seq. ID	OJ991011_13.0103.C7
Gene No.	27656	Strand	
Start	5551	End	13230
Name	OJ991011_13.0103.C7.o3.tm	Method	TBLASTX:Maize
Start	9923	End	13219
GI	none	Score	121
Exons	9923..9991, 9924..10001, 9925..9999, 10697..10792, 10711..10794, 10711..10791, 10881..10931, 10881..10934, 10882..10935, 11095..11121, 11100..11132, 11101..11133, 11140..11256, 11145..11258, 11150..11257, 11336..11494, 11338..11493, 12340..12414, 12361..12411, 12513..12641, 12526..12627, 12720..12797, 12723..12761, 12762..12830, 12764..12850, 12765..12881, 12825..12962, 12825..12938, 12826..12966, 12830..12985, 12833..12982, 13097..13147, 13184..13219		

Seq. No.	13060	Seq. ID	OJ991011_13.0103.C7
Gene No.	27656	Strand	
Start	5551	End	13230
Name	OJ991011_13.0103.C7.o4.ts	Method	TBLASTX:Soybean
Start	11163	End	12579
GI	none	Score	49
Exons	11163..11258, 11336..11494, 11338..11493, 12358..12414, 12526..12579		

Seq. No.	13060	Seq. ID	OJ991011_13.0103.C7
Gene No.	27656	Strand	
Start	5551	End	13230
Name	OJ991011_13.0103.C7.o3.tw	Method	TBLASTX:Wheat
Start	12801	End	13230
GI	none	Score	116
Exons	12801..12899, 12830..12901, 12830..12898, 12832..12906, 12880..12993, 12920..12991, 13029..13145, 13031..13150, 13078..13146, 13144..13230, 13145..13177		

Seq. No.	13061	Seq. ID	OJ991011_13.0103.C8
Gene No.	27657	Strand	+
Start	8441	End	10723
Name	OJ991011_13.0103.C8.o2.gs	Method	GENSCAN
Start	8441	End	10606
GI	none	Score	.57
Exons	8441..8517, 8711..8944, 9065..9202, 9903..10083, 10490..10606		

Seq. No.	13061	Seq. ID	OJ991011_13.0103.C8
Gene No.	27657	Strand	+
Start	8441	End	10723
Name	OJ991011_13.0103.C8.o1.gp	Method	AAT/GAP
Start	8443	End	10723
GI	none	Score	1167
Exons	8443..8517, 8711..8798, 9108..9202, 9903..9979, 10410..10723		

Seq. No.	13061	Seq. ID	OJ991011_13.0103.C8
Gene No.	27658	Strand	-
Start	392	End	5997
Name	OJ991011_13.0103.C8.o1.gs	Method	GENSCAN
Start	392	End	5997
GI	none	Score	.82
Exons	392..476, 997..1076, 1310..1463, 1604..1644, 1817..1934, 2702..2820, 3074..3187, 3746..3829, 3971..4050, 4146..4200, 4375..4442, 4797..4908, 5526..5640, 5735..5997		

Seq. No.	13061	Seq. ID	OJ991011_13.0103.C8
Gene No.	27659	Strand	-
Start	11823	End	14099
Name	OJ991011_13.0103.C8.o1.tm	Method	TBLASTX:Maize
Start	1385	End	3117
GI	none	Score	104
Exons	1385..1489, 1385..1465, 1590..1733, 1599..1733, 1604..1735, 1627..1734, 1815..1937, 1817..1936, 2696..2821, 2700..2825, 2701..2820, 3061..3117		

Seq. No.	13061	Seq. ID	OJ991011_13.0103.C8
Gene No.	27659	Strand	-
Start	11823	End	14099
Name	OJ991011_13.0103.C8.o3.tm	Method	TBLASTX:Maize
Start	3774	End	5583
GI	none	Score	73
Exons	3774..3827, 3774..3830, 3776..3853, 3929..4054, 3951..4055, 3983..4057, 3985..4056, 4100..4204, 4144..4197, 4146..4202, 4372..4440, 4379..4441, 4543..4593, 4544..4594, 4741..4920, 4798..4905, 5526..5579, 5526..5579, 5527..5583		

Seq. No.	13061	Seq. ID	OJ991011_13.0103.C8
Gene No.	27659	Strand	-
Start	11823	End	14099
Name	OJ991011_13.0103.C8.o2.gp	Method	AAT/GAP
Start	11563	End	13828
GI	4984_1.R1084	Score	1888
Exons	11563..12247, 12765..12845, 13571..13828		
GI Descrip.	'6091726/gb|AAF03438.1|AC010797_14 2.0e-12 (AC010797) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	13061	Seq. ID	OJ991011_13.0103.C8
Gene No.	27659	Strand	-
Start	11823	End	14099
Name	OJ991011_13.0103.C8.o1.np	Method	AAT/NAP
Start	11813	End	12834
GI	6091726	Score	120
Exons	11813..12247, 12765..12834		
GI Descrip.	(AC010797) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13061	Seq. ID	OJ991011_13.0103.C8
Gene No.	27659	Strand	-
Start	11823	End	14099
Name	OJ991011_13.0103.C8.o2.tm	Method	TBLASTX:Maize
Start	11814	End	12798
GI	none	Score	75
Exons	11814..11909, 11823..11879, 11860..11994, 11862..11942, 11972..12016, 12038..12157, 12061..12156, 12063..12167, 12065..12157, 12166..12249, 12168..12248, 12176..12259, 12179..12253, 12766..12798		

Seq. No.	13061	Seq. ID	OJ991011_13.0103.C8
Gene No.	27659	Strand	-
Start	11823	End	14099
Name	OJ991011_13.0103.C8.o3.gs	Method	GENSCAN
Start	11823	End	14099
GI	none	Score	.58
Exons	11823..12247, 12765..12845, 13571..14099		

Seq. No.	13062	Seq. ID	OJ991101_11.0118.C1
Gene No.	27660	Strand	-
Start	1	End	299
Name	OJ991101_11.0118.C1.o1.np	Method	AAT/NAP
Start	1	End	299
GI	6705984	Score	372
Exons	1..299		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	13063	Seq. ID	OJ991101_11.0118.C3
Gene No.	27661	Strand	+
Start	1417	End	1773
Name	OJ991101_11.0118.C3.o1.gs	Method	GENSCAN
Start	1417	End	1773
GI	none	Score	.97
Exons	1417..1773		

Seq. No.	13063	Seq. ID	OJ991101_11.0118.C3
Gene No.	27662	Strand	+

Start	3126	End	4259
Name	OJ991101_11.0118.C3.o2.gs	Method	GENSCAN
Start	3126	End	4259
GI	none	Score	.92
Exons	3126..3234, 3832..4049, 4195..4259		

Seq. No.	13064	Seq. ID	OJ991101_11.0118.C4
Gene No.	27663	Strand	+
Start	177	End	2253
Name	OJ991101_11.0118.C4.o1.gs	Method	GENSCAN
Start	177	End	2253
GI	none	Score	.91
Exons	177..336, 749..897, 992..1143, 1904..2018, 2116..2253		

Seq. No.	13064	Seq. ID	OJ991101_11.0118.C4
Gene No.	27663	Strand	+
Start	177	End	2253
Name	OJ991101_11.0118.C4.o2.ts	Method	TBLASTX:Soybean
Start	209	End	900
GI	none	Score	174
Exons	209..340, 210..341, 741..899, 747..878, 748..900		

Seq. No.	13064	Seq. ID	OJ991101_11.0118.C4
Gene No.	27663	Strand	+
Start	177	End	2253
Name	OJ991101_11.0118.C4.o1.tc	Method	TBLASTX:Cress
Start	748	End	1126
GI	none	Score	154
Exons	748..900, 751..897, 753..926, 978..1082, 991..1119, 992..1126		

Seq. No.	13064	Seq. ID	OJ991101_11.0118.C4
Gene No.	27663	Strand	+
Start	177	End	2253
Name	OJ991101_11.0118.C4.o1.tm	Method	TBLASTX:Maize
Start	748	End	1976
GI	none	Score	97
Exons	748..819, 748..819, 749..898, 749..820, 762..926, 772..900, 817..894, 978..1082, 991..1143, 992..1144, 1080..1145, 1888..1974, 1894..1974, 1896..1976		

Seq. No.	13064	Seq. ID	OJ991101_11.0118.C4
Gene No.	27663	Strand	+
Start	177	End	2253
Name	OJ991101_11.0118.C4.o1.ts	Method	TBLASTX:Soybean
Start	1030	End	2174
GI	none	Score	157
Exons	1030..1143, 1034..1144, 1036..1146, 1884..2018, 1911..2018, 2085..2174, 2095..2163		

Seq. No.	13065	Seq. ID	OJ991101_11.0118.C5
Gene No.	27664	Strand	+
Start	1	End	522
Name	OJ991101_11.0118.C5.o1.np	Method	AAT/NAP
Start	1	End	522
GI	6693023	Score	201
Exons	1..522		
GI Descrip.	(AC012375) T22C5.20 [Arabidopsis thaliana]		

Seq. No.	13065	Seq. ID	OJ991101_11.0118.C5
Gene No.	27664	Strand	+
Start	1	End	522
Name	OJ991101_11.0118.C5.o1.tm	Method	TBLASTX:Maize
Start	349	End	478
GI	none	Score	181
Exons	349..474, 350..478		

Seq. No.	13066	Seq. ID	OJ991101_11.0118.C6
Gene No.	27665	Strand	+
Start	20274	End	21234
Name	OJ991101_11.0118.C6.o4.gs	Method	GENSCAN
Start	20274	End	21234
GI	none	Score	.45
Exons	20274..20294, 20380..21234		

Seq. No.	13066	Seq. ID	OJ991101_11.0118.C6
Gene No.	27666	Strand	-
Start	2013	End	6680
Name	OJ991101_11.0118.C6.o1.gs	Method	GENSCAN
Start	2013	End	6680
GI	none	Score	.89
Exons	2013..2837, 2967..3733, 3990..4062, 4258..4335, 4533..6535, 6650..6680		

Seq. No.	13066	Seq. ID	OJ991101_11.0118.C6
Gene No.	27666	Strand	-
Start	2013	End	6680
Name	OJ991101_11.0118.C6.o2.np	Method	AAT/NAP
Start	2016	End	3395
GI	1310677	Score	698
Exons	2016..2837, 2967..3395		
GI Descrip.	(X97636) protein z-type serpin [Hordeum vulgare]		

Seq. No.	13066	Seq. ID	OJ991101_11.0118.C6
Gene No.	27667	Strand	-
Start	11064	End	11810
Name	OJ991101_11.0118.C6.o2.gs	Method	GENSCAN
Start	11064	End	11726
GI	none	Score	1
Exons	11064..11726		

Seq. No.	13066	Seq. ID	OJ991101_11.0118.C6
Gene No.	27667	Strand	-
Start	11064	End	11810
Name	OJ991101_11.0118.C6.o1.gp	Method	AAT/GAP
Start	11190	End	11810
GI	2798248	Score	980
Exons	11190..11810		

Seq. No.	13066	Seq. ID	OJ991101_11.0118.C6
Gene No.	27668	Strand	-
Start	21569	End	23227
Name	OJ991101_11.0118.C6.o3.tm	Method	TBLASTX:Maize
Start	1328	End	1692
GI	none	Score	85

Exons	1328..1378, 1328..1378, 1330..1386, 1457..1684, 1479..1685, 1479..1691, 1480..1692		
Seq. No.	13066	Seq. ID	OJ991101_11.0118.C6
Gene No.	27668	Strand	-
Start	21569	End	23227
Name	OJ991101_11.0118.C6.o1.tm	Method	TBLASTX:Maize
Start	2028	End	2838
GI	none	Score	94
Exons	2028..2114, 2029..2115, 2211..2261, 2301..2399, 2302..2406, 2427..2510, 2434..2508, 2553..2831, 2554..2838		
Seq. No.	13066	Seq. ID	OJ991101_11.0118.C6
Gene No.	27668	Strand	-
Start	21569	End	23227
Name	OJ991101_11.0118.C6.o3.tc	Method	TBLASTX:Cress
Start	2028	End	2510
GI	none	Score	77
Exons	2028..2117, 2029..2115, 2214..2282, 2301..2399, 2427..2510		
Seq. No.	13066	Seq. ID	OJ991101_11.0118.C6
Gene No.	27668	Strand	-
Start	21569	End	23227
Name	OJ991101_11.0118.C6.o1.ts	Method	TBLASTX:Soybean
Start	2028	End	3394
GI	none	Score	116
Exons	2028..2117, 2029..2115, 2289..2399, 2427..2510, 2553..2831, 2557..2838, 2967..3086, 3195..3287, 3335..3394		
Seq. No.	13066	Seq. ID	OJ991101_11.0118.C6
Gene No.	27668	Strand	-
Start	21569	End	23227
Name	OJ991101_11.0118.C6.o2.tc	Method	TBLASTX:Cress
Start	20767	End	21227
GI	none	Score	101
Exons	20767..20844, 21036..21227, 21037..21219		
Seq. No.	13066	Seq. ID	OJ991101_11.0118.C6
Gene No.	27668	Strand	-
Start	21569	End	23227
Name	OJ991101_11.0118.C6.o2.tm	Method	TBLASTX:Maize
Start	20776	End	21249
GI	none	Score	109
Exons	20776..20844, 20957..21004, 20962..21018, 21006..21233, 21007..21249		
Seq. No.	13066	Seq. ID	OJ991101_11.0118.C6
Gene No.	27668	Strand	-
Start	21569	End	23227
Name	OJ991101_11.0118.C6.o3.ts	Method	TBLASTX:Soybean
Start	20776	End	21242
GI	none	Score	99
Exons	20776..20844, 21039..21242, 21040..21219		
Seq. No.	13066	Seq. ID	OJ991101_11.0118.C6
Gene No.	27668	Strand	-
Start	21569	End	23227

Name	OJ991101_11.0118.C6.o1.tw	Method	TBLASTX:Wheat
Start	21031	End	21219
GI	none	Score	216
Exons	21031..21219, 21042..21200		

Seq. No.	13066	Seq. ID	OJ991101_11.0118.C6
Gene No.	27668	Strand	-
Start	21569	End	23227
Name	OJ991101_11.0118.C6.o5.gs	Method	GENSCAN
Start	21569	End	23178
GI	none	Score	.68
Exons	21569..21699, 21995..22117, 22404..22642, 22737..22793, 23063..23178		

Seq. No.	13066	Seq. ID	OJ991101_11.0118.C6
Gene No.	27668	Strand	-
Start	21569	End	23227
Name	OJ991101_11.0118.C6.o2.ts	Method	TBLASTX:Soybean
Start	21849	End	22792
GI	none	Score	44
Exons	21849..21896, 21972..22079, 21995..22078, 22172..22276, 22174..22296, 22193..22297, 22201..22296, 22402..22650, 22739..22792		

Seq. No.	13066	Seq. ID	OJ991101_11.0118.C6
Gene No.	27668	Strand	-
Start	21569	End	23227
Name	OJ991101_11.0118.C6.o4.np	Method	AAT/NAP
Start	21854	End	23227
GI	5668808	Score	556
Exons	21854..21904, 21995..22081, 22177..22295, 22404..22642, 22737..22793, 22888..22974, 23063..23227		
GI Descrip.	(AC007519) F16N3.20 [Arabidopsis thaliana]		

Seq. No.	13066	Seq. ID	OJ991101_11.0118.C6
Gene No.	27668	Strand	-
Start	21569	End	23227
Name	OJ991101_11.0118.C6.o1.tc	Method	TBLASTX:Cress
Start	21995	End	23224
GI	none	Score	40
Exons	21995..22087, 22053..22082, 22189..22302, 22190..22276, 22397..22447, 22402..22650, 22550..22648, 22739..22792, 22748..22795, 22890..22973, 23047..23223, 23048..23224		

Seq. No.	13066	Seq. ID	OJ991101_11.0118.C6
Gene No.	27668	Strand	-
Start	21569	End	23227
Name	OJ991101_11.0118.C6.o4.tm	Method	TBLASTX:Maize
Start	22180	End	23226
GI	none	Score	73
Exons	22180..22344, 22199..22276, 22402..22650, 22535..22645, 22742..22792, 22890..22973, 23041..23148, 23048..23149, 23164..23226		

Seq. No.	13067	Seq. ID	OJ991101_11.0118.C7
Gene No.	27669	Strand	-
Start	1	End	1022

Name	OJ991101_11.0118.C7.o1.np	Method	AAT/NAP
Start	1	End	476
GI	5668808	Score	263
Exons	1..121, 213..476		
GI Descrip.	(AC007519) F16N3.20 [Arabidopsis thaliana]		

Seq. No.	13067	Seq. ID	OJ991101_11.0118.C7
Gene No.	27669	Strand	-
Start	1	End	1022
Name	OJ991101_11.0118.C7.o1.tc	Method	TBLASTX:Cress
Start	2	End	395
GI	none	Score	59
Exons	2..115, 5..121, 12..140, 210..395, 220..357		

Seq. No.	13067	Seq. ID	OJ991101_11.0118.C7
Gene No.	27669	Strand	-
Start	1	End	1022
Name	OJ991101_11.0118.C7.o1.tm	Method	TBLASTX:Maize
Start	2	End	386
GI	none	Score	145
Exons	2..118, 3..122, 213..380, 214..381, 294..386		

Seq. No.	13067	Seq. ID	OJ991101_11.0118.C7
Gene No.	27669	Strand	-
Start	1	End	1022
Name	OJ991101_11.0118.C7.o1.ts	Method	TBLASTX:Soybean
Start	5	End	380
GI	none	Score	132
Exons	5..121, 12..140, 210..380		

Seq. No.	13067	Seq. ID	OJ991101_11.0118.C7
Gene No.	27669	Strand	-
Start	1	End	1022
Name	OJ991101_11.0118.C7.o1.gs	Method	GENSCAN
Start	162	End	1022
GI	none	Score	.67
Exons	162..652, 849..1022		

Seq. No.	13068	Seq. ID	OJ991101_11.0118.C8
Gene No.	27670	Strand	-
Start	1	End	617
Name	OJ991101_11.0118.C8.o1.gp	Method	AAT/GAP
Start	1	End	353
GI	2309748	Score	694
Exons	1..353		

Seq. No.	13068	Seq. ID	OJ991101_11.0118.C8
Gene No.	27670	Strand	-
Start	1	End	617
Name	OJ991101_11.0118.C8.o1.gs	Method	GENSCAN
Start	151	End	617
GI	none	Score	.42
Exons	151..617		

Seq. No.	13069	Seq. ID	OJ991101_11.0118.C9
Gene No.	27671	Strand	-
Start	137	End	194

Name	OJ991101_11.0118.C9.o1.gs	Method	GENSCAN
Start	137	End	194
GI	none	Score	.44
Exons	137..194		

Seq. No.	13070	Seq. ID	OJ991101_11.0118.C10
Gene No.	27672	Strand	+
Start	1	End	345
Name	OJ991101_11.0118.C10.o1.np	Method	AAT/NAP
Start	1	End	345
GI	6069646	Score	409
Exons	1..345		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	13070	Seq. ID	OJ991101_11.0118.C10
Gene No.	27672	Strand	+
Start	1	End	345
Name	OJ991101_11.0118.C10.o1.gs	Method	GENSCAN
Start	92	End	164
GI	none	Score	.42
Exons	92..164		

Seq. No.	13070	Seq. ID	OJ991101_11.0118.C10
Gene No.	27673	Strand	
Start	1010	End	1249
Name	OJ991101_11.0118.C10.o1.tw	Method	TBLASTX:Wheat
Start	1010	End	1206
GI	none	Score	195
Exons	1010..1198, 1018..1206		

Seq. No.	13070	Seq. ID	OJ991101_11.0118.C10
Gene No.	27673	Strand	
Start	1010	End	1249
Name	OJ991101_11.0118.C10.o1.tm	Method	TBLASTX:Maize
Start	1013	End	1249
GI	none	Score	99
Exons	1013..1081, 1013..1081, 1064..1144, 1138..1224, 1145..1249		

Seq. No.	13071	Seq. ID	OJ991101_11.0118.C11
Gene No.	27674	Strand	+
Start	123	End	220
Name	OJ991101_11.0118.C11.o1.gp	Method	AAT/GAP
Start	123	End	220
GI	LIB3477-003-P1-K1-E9	Score	159
Exons	123..220		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	13072	Seq. ID	OJ991101_11.0118.C12
Gene No.	27675	Strand	+
Start	1	End	2104
Name	OJ991101_11.0118.C12.o1.gp	Method	AAT/GAP

Start	1	End	1945
GI	LIB3477-003-P1-K1-E9	Score	156
Exons	1..93, 1920..1945		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	13072	Seq. ID	OJ991101_11.0118.C12
Gene No.	27675	Strand	+
Start	1	End	2104
Name	OJ991101_11.0118.C12.o1.gs	Method	GENSCAN
Start	1418	End	2104
GI	none	Score	.61
Exons	1418..1495, 2061..2104		

Seq. No.	13072	Seq. ID	OJ991101_11.0118.C12
Gene No.	27676	Strand	+
Start	3304	End	9492
Name	OJ991101_11.0118.C12.o2.gs	Method	GENSCAN
Start	3304	End	9492
GI	none	Score	.52
Exons	3304..3330, 3491..3562, 3610..3679, 3795..3838, 4291..4395, 4511..5718, 5724..6271, 6353..7545, 7750..9492		

Seq. No.	13072	Seq. ID	OJ991101_11.0118.C12
Gene No.	27676	Strand	+
Start	3304	End	9492
Name	OJ991101_11.0118.C12.o1.np	Method	AAT/NAP
Start	4971	End	9489
GI	6498441	Score	5833
Exons	4971..6329, 6513..6647, 6822..7545, 7717..9114, 9208..9489		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	13072	Seq. ID	OJ991101_11.0118.C12
Gene No.	27677	Strand	-
Start	10116	End	13768
Name	OJ991101_11.0118.C12.o6.tw	Method	TBLASTX:Wheat
Start	5123	End	5512
GI	none	Score	54
Exons	5123..5167, 5174..5272, 5191..5229, 5255..5512, 5272..5478		

Seq. No.	13072	Seq. ID	OJ991101_11.0118.C12
Gene No.	27677	Strand	-
Start	10116	End	13768
Name	OJ991101_11.0118.C12.o4.tm	Method	TBLASTX:Maize
Start	5162	End	5410
GI	none	Score	189
Exons	5162..5410, 5278..5409		

Seq. No.	13072	Seq. ID	OJ991101_11.0118.C12
Gene No.	27677	Strand	-
Start	10116	End	13768
Name	OJ991101_11.0118.C12.o1.tw	Method	TBLASTX:Wheat
Start	6015	End	6426
GI	none	Score	505

Exons	6015..6419, 6016..6426		
Seq. No.	13072	Seq. ID	OJ991101_11.0118.C12
Gene No.	27677	Strand	-
Start	10116	End	13768
Name	OJ991101_11.0118.C12.o1.tm	Method	TBLASTX:Maize
Start	6094	End	6450
GI	none	Score	371
Exons	6094..6450, 6129..6440, 6334..6450		
Seq. No.	13072	Seq. ID	OJ991101_11.0118.C12
Gene No.	27677	Strand	-
Start	10116	End	13768
Name	OJ991101_11.0118.C12.o3.tm	Method	TBLASTX:Maize
Start	6477	End	6861
GI	none	Score	363
Exons	6477..6842, 6478..6861		
Seq. No.	13072	Seq. ID	OJ991101_11.0118.C12
Gene No.	27677	Strand	-
Start	10116	End	13768
Name	OJ991101_11.0118.C12.o2.tw	Method	TBLASTX:Wheat
Start	6534	End	6954
GI	none	Score	500
Exons	6534..6929, 6535..6954		
Seq. No.	13072	Seq. ID	OJ991101_11.0118.C12
Gene No.	27677	Strand	-
Start	10116	End	13768
Name	OJ991101_11.0118.C12.o1.ts	Method	TBLASTX:Soybean
Start	6613	End	6984
GI	none	Score	284
Exons	6613..6984, 6630..6773		
Seq. No.	13072	Seq. ID	OJ991101_11.0118.C12
Gene No.	27677	Strand	-
Start	10116	End	13768
Name	OJ991101_11.0118.C12.o4.tw	Method	TBLASTX:Wheat
Start	7417	End	7851
GI	none	Score	236
Exons	7417..7641, 7482..7658, 7702..7851, 7713..7850		
Seq. No.	13072	Seq. ID	OJ991101_11.0118.C12
Gene No.	27677	Strand	-
Start	10116	End	13768
Name	OJ991101_11.0118.C12.o2.ts	Method	TBLASTX:Soybean
Start	7540	End	8106
GI	5666795	Score	68
Exons	7540..7638, 7717..7851, 7906..8106		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		
Seq. No.	13072	Seq. ID	OJ991101_11.0118.C12
Gene No.	27677	Strand	-
Start	10116	End	13768
Name	OJ991101_11.0118.C12.o7.tw	Method	TBLASTX:Wheat
Start	7854	End	8166
GI	none	Score	195

Exons	7854..8030, 7885..8055, 7906..8166		
Seq. No.	13072	Seq. ID	OJ991101_11.0118.C12
Gene No.	27677	Strand	-
Start	10116	End	13768
Name	OJ991101_11.0118.C12.o2.tm	Method	TBLASTX:Maize
Start	8359	End	8691
GI	none	Score	371
Exons	8359..8682, 8376..8669, 8479..8691		
Seq. No.	13072	Seq. ID	OJ991101_11.0118.C12
Gene No.	27677	Strand	-
Start	10116	End	13768
Name	OJ991101_11.0118.C12.o3.tw	Method	TBLASTX:Wheat
Start	8496	End	8877
GI	none	Score	384
Exons	8496..8846, 8497..8877		
Seq. No.	13072	Seq. ID	OJ991101_11.0118.C12
Gene No.	27677	Strand	-
Start	10116	End	13768
Name	OJ991101_11.0118.C12.o5.tw	Method	TBLASTX:Wheat
Start	8878	End	9480
GI	none	Score	270
Exons	8878..9168, 8883..9167, 9265..9324, 9354..9380, 9355..9480, 9408..9476		
Seq. No.	13072	Seq. ID	OJ991101_11.0118.C12
Gene No.	27677	Strand	-
Start	10116	End	13768
Name	OJ991101_11.0118.C12.o5.tm	Method	TBLASTX:Maize
Start	9348	End	9492
GI	none	Score	185
Exons	9348..9488, 9349..9492		
Seq. No.	13072	Seq. ID	OJ991101_11.0118.C12
Gene No.	27677	Strand	-
Start	10116	End	13768
Name	OJ991101_11.0118.C12.o3.gs	Method	GENSCAN
Start	10116	End	13768
GI	none	Score	.61
Exons	10116..10307, 10357..11984, 12284..13094, 13296..13368, 13539..13654, 13709..13768		
Seq. No.	13072	Seq. ID	OJ991101_11.0118.C12
Gene No.	27677	Strand	-
Start	10116	End	13768
Name	OJ991101_11.0118.C12.o2.np	Method	AAT/NAP
Start	10119	End	13349
GI	6907089	Score	4328
Exons	10119..11984, 12088..13349		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	13073	Seq. ID	OJ991101_11.0118.C13
Gene No.	27678	Strand	+
Start	146	End	3624
Name	OJ991101_11.0118.C13.o1.gs	Method	GENSCAN

Start	146	End	3624
GI	none	Score	.74
Exons	146..316, 2057..2072, 3542..3624		

Seq. No.	13073	Seq. ID	OJ991101_11.0118.C13
Gene No.	27679	Strand	+
Start	5098	End	8742
Name	OJ991101_11.0118.C13.o1.gp	Method	AAT/GAP
Start	5024	End	5400
GI	5003144	Score	713
Exons	5024..5400		
GI Descrip.	4887010/gb|AAD32141.1|AF123503_1 1.0e-17 (AF123503) Nt-gh3 deduced protein [Nicotiana tabacum]		

Seq. No.	13073	Seq. ID	OJ991101_11.0118.C13
Gene No.	27679	Strand	+
Start	5098	End	8742
Name	OJ991101_11.0118.C13.o2.gs	Method	GENSCAN
Start	5098	End	8320
GI	none	Score	.97
Exons	5098..5447, 5616..5717, 6928..8320		

Seq. No.	13073	Seq. ID	OJ991101_11.0118.C13
Gene No.	27679	Strand	+
Start	5098	End	8742
Name	OJ991101_11.0118.C13.o1.np	Method	AAT/NAP
Start	5128	End	8320
GI	4887010	Score	2138
Exons	5128..5447, 5616..5717, 6928..8320		
GI Descrip.	(AF123503) Nt-gh3 deduced protein [Nicotiana tabacum]		

Seq. No.	13073	Seq. ID	OJ991101_11.0118.C13
Gene No.	27679	Strand	+
Start	5098	End	8742
Name	OJ991101_11.0118.C13.o2.gp	Method	AAT/GAP
Start	7838	End	8742
GI	81061_1.R1084	Score	1710
Exons	7838..8742		
GI Descrip.	'2642446 2.0e-43 (AC002391) similar to auxin-responsive GH3 protein [Arabidopsis thaliana]'		

Seq. No.	13073	Seq. ID	OJ991101_11.0118.C13
Gene No.	27680	Strand	-
Start	9804	End	10955
Name	OJ991101_11.0118.C13.o2.ts	Method	TBLASTX:Soybean
Start	5173	End	7093
GI	none	Score	322
Exons	5173..5445, 5182..5373, 5211..5447, 5611..5724, 6923..7084, 6929..7093, 6931..7092		

Seq. No.	13073	Seq. ID	OJ991101_11.0118.C13
Gene No.	27680	Strand	-
Start	9804	End	10955
Name	OJ991101_11.0118.C13.o2.tc	Method	TBLASTX:Cress
Start	5176	End	5667
GI	none	Score	304
Exons	5176..5445, 5182..5373, 5211..5447, 5611..5667		

Seq. No.	13073	Seq. ID	OJ991101_11.0118.C13
Gene No.	27680	Strand	-
Start	9804	End	10955
Name	OJ991101_11.0118.C13.o4.tm	Method	TBLASTX:Maize
Start	5182	End	5670
GI	none	Score	123
Exons	5182..5289, 5182..5301, 5293..5445, 5298..5447, 5611..5670		

Seq. No.	13073	Seq. ID	OJ991101_11.0118.C13
Gene No.	27680	Strand	-
Start	9804	End	10955
Name	OJ991101_11.0118.C13.o2.tw	Method	TBLASTX:Wheat
Start	6935	End	7084
GI	none	Score	191
Exons	6935..7045, 6955..7071, 6956..7084		

Seq. No.	13073	Seq. ID	OJ991101_11.0118.C13
Gene No.	27680	Strand	-
Start	9804	End	10955
Name	OJ991101_11.0118.C13.o2.tm	Method	TBLASTX:Maize
Start	6952	End	7327
GI	none	Score	333
Exons	6952..7149, 6953..7186, 7103..7174, 7181..7327, 7192..7305		

Seq. No.	13073	Seq. ID	OJ991101_11.0118.C13
Gene No.	27680	Strand	-
Start	9804	End	10955
Name	OJ991101_11.0118.C13.o1.ts	Method	TBLASTX:Soybean
Start	7093	End	8317
GI	none	Score	286
Exons	7093..7296, 7100..7327, 7367..7492, 7367..7489, 7369..7491, 7478..7627, 7486..7599, 7673..7990, 7693..7836, 7915..7986, 8041..8112, 8042..8104, 8114..8317, 8116..8313		

Seq. No.	13073	Seq. ID	OJ991101_11.0118.C13
Gene No.	27680	Strand	-
Start	9804	End	10955
Name	OJ991101_11.0118.C13.o1.tc	Method	TBLASTX:Cress
Start	7100	End	8317
GI	none	Score	222
Exons	7100..7285, 7102..7296, 7274..7381, 7379..7624, 7381..7599, 7673..7993, 7685..7837, 7693..7992, 8041..8112, 8042..8104, 8111..8317, 8116..8295		

Seq. No.	13073	Seq. ID	OJ991101_11.0118.C13
Gene No.	27680	Strand	-
Start	9804	End	10955
Name	OJ991101_11.0118.C13.o1.tw	Method	TBLASTX:Wheat
Start	7397	End	7765
GI	none	Score	281
Exons	7397..7621, 7407..7487, 7408..7599, 7670..7765, 7673..7765		

Seq. No.	13073	Seq. ID	OJ991101_11.0118.C13
Gene No.	27680	Strand	-
Start	9804	End	10955
Name	OJ991101_11.0118.C13.o3.tm	Method	TBLASTX:Maize

Start	7532	End	7800
GI	none	Score	131
Exons	7532..7615, 7544..7627, 7670..7798, 7673..7798, 7693..7800, 7717..7800		

Seq. No.	13073	Seq. ID	OJ991101_11.0118.C13
Gene No.	27680	Strand	-
Start	9804	End	10955
Name	OJ991101_11.0118.C13.o1.tm	Method	TBLASTX:Maize
Start	7801	End	8327
GI	none	Score	293
Exons	7801..7992, 7802..7993, 8041..8319, 8042..8320, 8068..8154, 8280..8327		

Seq. No.	13073	Seq. ID	OJ991101_11.0118.C13
Gene No.	27680	Strand	-
Start	9804	End	10955
Name	OJ991101_11.0118.C13.o3.gp	Method	AAT/GAP
Start	9804	End	10955
GI	25266_1.R1084	Score	658
Exons	9804..10132, 10925..10955		
GI Descrip.	'4468980/emb|CAB38294| 7.0e-41 (AL035605) formamidase-like protein [Arabidopsis thaliana]'		

Seq. No.	13073	Seq. ID	OJ991101_11.0118.C13
Gene No.	27680	Strand	-
Start	9804	End	10955
Name	OJ991101_11.0118.C13.o2.np	Method	AAT/NAP
Start	10013	End	10955
GI	4468980	Score	99
Exons	10013..10132, 10925..10955		
GI Descrip.	(AL035605) formamidase-like protein [Arabidopsis thaliana]		

Seq. No.	13074	Seq. ID	OJ991101_11.0118.C14
Gene No.	27681	Strand	+
Start	310	End	505
Name	OJ991101_11.0118.C14.o1.gs	Method	GENSCAN
Start	310	End	505
GI	none	Score	.57
Exons	310..381, 443..505		

Seq. No.	13074	Seq. ID	OJ991101_11.0118.C14
Gene No.	27682	Strand	-
Start	1	End	854
Name	OJ991101_11.0118.C14.o1.np	Method	AAT/NAP
Start	1	End	854
GI	4468980	Score	379
Exons	1..40, 647..854		
GI Descrip.	(AL035605) formamidase-like protein [Arabidopsis thaliana]		

Seq. No.	13074	Seq. ID	OJ991101_11.0118.C14
Gene No.	27682	Strand	-
Start	1	End	854
Name	OJ991101_11.0118.C14.o1.tm	Method	TBLASTX:Maize
Start	1	End	771
GI	none	Score	70
Exons	1..54, 2..43, 641..769, 644..766, 646..771		

Seq. No.	13075	Seq. ID	OJ991101_11.0118.C15
Gene No.	27683	Strand	-
Start	1	End	1092
Name	OJ991101_11.0118.C15.o1.np	Method	AAT/NAP
Start	1	End	658
GI	4468981	Score	593
Exons	1..335, 440..658		
GI Descrip.	(AL035605) formamidase-like protein [Arabidopsis thaliana]		

Seq. No.	13075	Seq. ID	OJ991101_11.0118.C15
Gene No.	27683	Strand	-
Start	1	End	1092
Name	OJ991101_11.0118.C15.o1.tm	Method	TBLASTX:Maize
Start	87	End	669
GI	none	Score	223
Exons	87..335, 88..336, 88..333, 96..335, 413..664, 441..662, 442..669		

Seq. No.	13075	Seq. ID	OJ991101_11.0118.C15
Gene No.	27683	Strand	-
Start	1	End	1092
Name	OJ991101_11.0118.C15.o1.gp	Method	AAT/GAP
Start	98	End	689
GI	13209_1.R1084	Score	920
Exons	98..335, 440..689		
GI Descrip.	'4468980/emb|CAB38294| 1.0e-81 (AL035605) formamidase-like protein [Arabidopsis thaliana]'		

Seq. No.	13075	Seq. ID	OJ991101_11.0118.C15
Gene No.	27683	Strand	-
Start	1	End	1092
Name	OJ991101_11.0118.C15.o1.gs	Method	GENSCAN
Start	98	End	1092
GI	none	Score	.88
Exons	98..335, 440..661, 1039..1092		

Seq. No.	13075	Seq. ID	OJ991101_11.0118.C15
Gene No.	27683	Strand	-
Start	1	End	1092
Name	OJ991101_11.0118.C15.o1.tc	Method	TBLASTX:Cress
Start	109	End	691
GI	none	Score	283
Exons	109..336, 111..335, 405..659, 413..658, 461..691		

Seq. No.	13075	Seq. ID	OJ991101_11.0118.C15
Gene No.	27683	Strand	-
Start	1	End	1092
Name	OJ991101_11.0118.C15.o1.ts	Method	TBLASTX:Soybean
Start	282	End	659
GI	none	Score	56
Exons	282..332, 283..330, 413..658, 414..659		

Seq. No.	13075	Seq. ID	OJ991101_11.0118.C15
Gene No.	27683	Strand	-
Start	1	End	1092
Name	OJ991101_11.0118.C15.o1.tw	Method	TBLASTX:Wheat
Start	440	End	638

GI	none	Score	277
Exons	440..637, 441..638		

Seq. No.	13076	Seq. ID	OJ991101_11.0118.C16
Gene No.	27684	Strand	-
Start	1	End	808
Name	OJ991101_11.0118.C16.o1.np	Method	AAT/NAP
Start	1	End	658
GI	1707020	Score	281
Exons	1..658		
GI Descrip.	(U78721) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13076	Seq. ID	OJ991101_11.0118.C16
Gene No.	27684	Strand	-
Start	1	End	808
Name	OJ991101_11.0118.C16.o1.gs	Method	GENSCAN
Start	32	End	808
GI	none	Score	.41
Exons	32..808		

Seq. No.	13076	Seq. ID	OJ991101_11.0118.C16
Gene No.	27685	Strand	-
Start	1799	End	2293
Name	OJ991101_11.0118.C16.o1.tc	Method	TBLASTX:Cress
Start	2	End	307
GI	none	Score	80
Exons	2..307, 5..100, 8..295, 182..307, 182..292		

Seq. No.	13076	Seq. ID	OJ991101_11.0118.C16
Gene No.	27685	Strand	-
Start	1799	End	2293
Name	OJ991101_11.0118.C16.o2.np	Method	AAT/NAP
Start	1799	End	2293
GI	6523085	Score	180
Exons	1799..1915, 2215..2293		
GI Descrip.	(AL133315) putative protein [Arabidopsis thaliana]		

Seq. No.	13077	Seq. ID	OJ991101_11.0118.C17
Gene No.	27686	Strand	+
Start	6454	End	6921
Name	OJ991101_11.0118.C17.o4.gs	Method	GENSCAN
Start	6454	End	6921
GI	none	Score	.98
Exons	6454..6921		

Seq. No.	13077	Seq. ID	OJ991101_11.0118.C17
Gene No.	27686	Strand	+
Start	6454	End	6921
Name	OJ991101_11.0118.C17.o2.np	Method	AAT/NAP
Start	6457	End	6802
GI	6693023	Score	108
Exons	6457..6586, 6629..6802		
GI Descrip.	(AC012375) T22C5.20 [Arabidopsis thaliana]		

Seq. No.	13077	Seq. ID	OJ991101_11.0118.C17
Gene No.	27687	Strand	-
Start	1922	End	4065

Name	OJ991101_11.0118.C17.o2.gs	Method	GENSCAN
Start	1922	End	4065
GI	none	Score	.9
Exons	1922..1963, 3671..3746, 3851..4065		

Seq. No.	13077	Seq. ID	OJ991101_11.0118.C17
Gene No.	27687	Strand	-
Start	1922	End	4065
Name	OJ991101_11.0118.C17.o1.np	Method	AAT/NAP
Start	2164	End	3778
GI	4503277	Score	146
Exons	2164..2222, 3025..3064, 3671..3778		
GI Descrip.	dCMP deaminase gi|416889|sp|P32321|DCTD_HUMAN DEOXYCYTIDYLATE DEAMINASE (DCMP DEAMINASE) gi|539571|pir||A47288 dCMP deaminase (EC 3.5.4.12) - human gi|181537 (L12136) deoxycytidylate deaminase [Homo sapiens]		

Seq. No.	13077	Seq. ID	OJ991101_11.0118.C17
Gene No.	27688	Strand	-
Start	5261	End	5749
Name	OJ991101_11.0118.C17.o3.gs	Method	GENSCAN
Start	5261	End	5749
GI	none	Score	.98
Exons	5261..5749		

Seq. No.	13078	Seq. ID	OJ991101_11.0118.C18
Gene No.	27689	Strand	+
Start	1	End	459
Name	OJ991101_11.0118.C18.o1.np	Method	AAT/NAP
Start	1	End	459
GI	6693023	Score	229
Exons	1..459		
GI Descrip.	(AC012375) T22C5.20 [Arabidopsis thaliana]		

Seq. No.	13079	Seq. ID	OJ991101_11.0118.C19
Gene No.	27690	Strand	-
Start	1	End	285
Name	OJ991101_11.0118.C19.o1.gp	Method	AAT/GAP
Start	1	End	179
GI	2442702	Score	350
Exons	1..179		

Seq. No.	13079	Seq. ID	OJ991101_11.0118.C19
Gene No.	27690	Strand	-
Start	1	End	285
Name	OJ991101_11.0118.C19.o1.gs	Method	GENSCAN
Start	18	End	285
GI	none	Score	.57
Exons	18..285		

Seq. No.	13080	Seq. ID	OJ991101_11.0118.C21
Gene No.	27691	Strand	+
Start	972	End	1080
Name	OJ991101_11.0118.C21.o1.gp	Method	AAT/GAP
Start	972	End	1080
GI	LIB3432-049-P1-K1-C8	Score	195
Exons	972..1080		

GI Descrip.	'1168940/sp|P42738|CHMU_ARATH 9.0e-35 CHORISMATE MUTASE PRECURSOR (CM-1) >gi_629509_pir__S38958 chorismate mutase precursor - Arabidopsis thaliana >gi_429153_emb_CAA81286_ (Z26519) chorismate mutase precursor [Arabidopsis thaliana]'		

Seq. No.	13080	Seq. ID	OJ991101_11.0118.C21
Gene No.	27692	Strand	-
Start	171	End	1080
Name	OJ991101_11.0118.C21.o1.tm	Method	TBLASTX:Maize
Start	66	End	1080
GI	none	Score	41
Exons	66..107, 114..155, 121..180, 163..279, 164..409, 166..390, 168..410, 171..416, 546..647, 552..689, 915..1079, 929..1078, 934..1080		

Seq. No.	13080	Seq. ID	OJ991101_11.0118.C21
Gene No.	27692	Strand	-
Start	171	End	1080
Name	OJ991101_11.0118.C21.o1.ts	Method	TBLASTX:Soybean
Start	141	End	1042
GI	none	Score	153
Exons	141..410, 172..369, 550..645, 552..650, 553..645, 929..994, 934..984, 992..1042		

Seq. No.	13080	Seq. ID	OJ991101_11.0118.C21
Gene No.	27692	Strand	-
Start	171	End	1080
Name	OJ991101_11.0118.C21.o1.tc	Method	TBLASTX:Cress
Start	165	End	1080
GI	none	Score	130
Exons	165..410, 175..390, 552..689, 553..642, 929..1078, 930..1079, 931..1080		

Seq. No.	13080	Seq. ID	OJ991101_11.0118.C21
Gene No.	27692	Strand	-
Start	171	End	1080
Name	OJ991101_11.0118.C21.o1.gs	Method	GENSCAN
Start	171	End	1078
GI	none	Score	.86
Exons	171..407, 552..644, 935..1078		

Seq. No.	13080	Seq. ID	OJ991101_11.0118.C21
Gene No.	27692	Strand	-
Start	171	End	1080
Name	OJ991101_11.0118.C21.o1.np	Method	AAT/NAP
Start	174	End	1078
GI	4512122	Score	448
Exons	174..407, 552..644, 935..1078		
GI Descrip.	(AF131219) chorismate mutase 3 [Arabidopsis thaliana]		

Seq. No.	13081	Seq. ID	OJ991101_11.0118.C22
Gene No.	27693	Strand	-
Start	3970	End	6825
Name	OJ991101_11.0118.C22.o1.gp	Method	AAT/GAP
Start	3411	End	5366
GI	12972_1.R1084	Score	1709
Exons	3411..3879, 3967..4245, 4467..4512, 4922..5027, 5281..5366		

GI Descrip.	'4335771/gb|AAD17448| 3.0e-40 (AC006284) unknown protein [Arabidopsis thaliana]'		
Seq. No.	13081	Seq. ID	OJ991101_11.0118.C22
Gene No.	27693	Strand	-
Start	3970	End	6825
Name	OJ991101_11.0118.C22.o2.gs	Method	GENSCAN
Start	3970	End	6231
GI	none	Score	.86
Exons	3970..4125, 4205..4245, 5281..5374, 5450..5528, 5630..5721, 5795..5854, 6085..6231		
Seq. No.	13081	Seq. ID	OJ991101_11.0118.C22
Gene No.	27693	Strand	-
Start	3970	End	6825
Name	OJ991101_11.0118.C22.o1.np	Method	AAT/NAP
Start	3988	End	5848
GI	4335771	Score	589
Exons	3988..4125, 4205..4245, 4467..4512, 4922..5034, 5281..5374, 5450..5528, 5630..5721, 5795..5848		
GI Descrip.	(AC006284) unknown protein [Arabidopsis thaliana]		
Seq. No.	13081	Seq. ID	OJ991101_11.0118.C22
Gene No.	27693	Strand	-
Start	3970	End	6825
Name	OJ991101_11.0118.C22.o1.tc	Method	TBLASTX:Cress
Start	4015	End	5530
GI	none	Score	97
Exons	4015..4122, 4034..4123, 4919..5035, 4920..5036, 4922..5041, 5279..5371, 5280..5372, 5444..5527, 5450..5530		
Seq. No.	13081	Seq. ID	OJ991101_11.0118.C22
Gene No.	27693	Strand	-
Start	3970	End	6825
Name	OJ991101_11.0118.C22.o1.tm	Method	TBLASTX:Maize
Start	4937	End	5838
GI	none	Score	154
Exons	4937..5035, 4938..5036, 5279..5371, 5280..5372, 5284..5376, 5444..5536, 5444..5527, 5449..5538, 5629..5721, 5630..5722, 5631..5723, 5783..5836, 5784..5837, 5803..5838		
Seq. No.	13081	Seq. ID	OJ991101_11.0118.C22
Gene No.	27693	Strand	-
Start	3970	End	6825
Name	OJ991101_11.0118.C22.o2.np	Method	AAT/NAP
Start	5321	End	6825
GI	4335759	Score	89
Exons	5321..5387, 6081..6257, 6669..6825		
GI Descrip.	(AC006284) unknown protein [Arabidopsis thaliana]		
Seq. No.	13082	Seq. ID	OJ991101_11.0118.C23
Gene No.	27694	Strand	+
Start	135	End	2279
Name	OJ991101_11.0118.C23.o1.gs	Method	GENSCAN
Start	135	End	2279
GI	none	Score	.76
Exons	135..552, 1078..1126, 1731..1821, 2169..2279		

Seq. No.	13082	Seq. ID	OJ991101_11.0118.C23
Gene No.	27695	Strand	-
Start	3154	End	3722
Name	OJ991101_11.0118.C23.o2.gs	Method	GENSCAN
Start	3154	End	3722
GI	none	Score	.64
Exons	3154..3176, 3713..3722		

Seq. No.	13083	Seq. ID	OJ991101_11.0118.C24
Gene No.	27696	Strand	+
Start	4552	End	5199
Name	OJ991101_11.0118.C24.o2.gp	Method	AAT/GAP
Start	4552	End	5199
GI	2442702	Score	587
Exons	4552..4764, 5083..5199		

Seq. No.	13083	Seq. ID	OJ991101_11.0118.C24
Gene No.	27697	Strand	-
Start	98	End	5036
Name	OJ991101_11.0118.C24.o1.gp	Method	AAT/GAP
Start	98	End	1211
GI	426827	Score	773
Exons	98..320, 413..516, 954..1016, 1158..1211		

Seq. No.	13083	Seq. ID	OJ991101_11.0118.C24
Gene No.	27697	Strand	-
Start	98	End	5036
Name	OJ991101_11.0118.C24.o1.gs	Method	GENSCAN
Start	209	End	5036
GI	none	Score	.72
Exons	209..320, 954..1016, 3435..3644, 3922..4175, 4577..4744, 4969..5036		

Seq. No.	13083	Seq. ID	OJ991101_11.0118.C24
Gene No.	27697	Strand	-
Start	98	End	5036
Name	OJ991101_11.0118.C24.o1.tm	Method	TBLASTX:Maize
Start	1642	End	4276
GI	none	Score	69
Exons	1642..1707, 1655..1699, 2105..2173, 2108..2158, 2301..2366, 2302..2367, 2305..2367, 2318..2368, 2740..2787, 2741..2794, 2952..3023, 2954..3055, 2954..3022, 3007..3057, 3911..4060, 3911..4060, 4049..4159, 4050..4163, 4216..4260, 4217..4276		

Seq. No.	13084	Seq. ID	OJ991101_11.0118.C25
Gene No.	27698	Strand	+
Start	620	End	5678
Name	OJ991101_11.0118.C25.o1.gs	Method	GENSCAN
Start	620	End	5678
GI	none	Score	.67
Exons	620..715, 859..951, 1115..1172, 1824..1887, 2755..2827, 3558..3692, 4566..4721, 5352..5678		

Seq. No.	13084	Seq. ID	OJ991101_11.0118.C25
Gene No.	27698	Strand	+
Start	620	End	5678

Name	OJ991101_11.0118.C25.o1.gp	Method	AAT/GAP
Start	1406	End	1658
GI	3762972	Score	444
Exons	1406..1658		

Seq. No.	13085	Seq. ID	OJ991101_13.0119.C2
Gene No.	27699	Strand	+
Start	1	End	238
Name	OJ991101_13.0119.C2.o1.np	Method	AAT/NAP
Start	1	End	238
GI	487099	Score	397
Exons	1..238		
GI Descrip.	NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 2 - maize chloroplast		

Seq. No.	13085	Seq. ID	OJ991101_13.0119.C2
Gene No.	27699	Strand	+
Start	1	End	238
Name	OJ991101_13.0119.C2.o1.ts	Method	TBLASTX:Soybean
Start	1	End	174
GI	none	Score	268
Exons	1..174, 3..173		

Seq. No.	13086	Seq. ID	OJ991101_13.0119.C3
Gene No.	27700	Strand	-
Start	1	End	1095
Name	OJ991101_13.0119.C3.o1.gp	Method	AAT/GAP
Start	1	End	423
GI	5002953	Score	266
Exons	1..33, 292..423		
GI Descrip.	4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	13086	Seq. ID	OJ991101_13.0119.C3
Gene No.	27700	Strand	-
Start	1	End	1095
Name	OJ991101_13.0119.C3.o1.tw	Method	TBLASTX:Wheat
Start	1	End	408
GI	none	Score	177
Exons	1..408, 2..364		

Seq. No.	13086	Seq. ID	OJ991101_13.0119.C3
Gene No.	27700	Strand	-
Start	1	End	1095
Name	OJ991101_13.0119.C3.o1.tm	Method	TBLASTX:Maize
Start	19	End	504
GI	none	Score	89
Exons	19..504, 26..175, 311..487		

Seq. No.	13086	Seq. ID	OJ991101_13.0119.C3
Gene No.	27700	Strand	-
Start	1	End	1095
Name	OJ991101_13.0119.C3.o1.np	Method	AAT/NAP
Start	58	End	1095
GI	100484	Score	804
Exons	58..753, 814..1095		
GI Descrip.	hypothetical protein - garden snapdragon		

Seq. No.	13086	Seq. ID	OJ991101_13.0119.C3
Gene No.	27700	Strand	-
Start	1	End	1095
Name	OJ991101_13.0119.C3.o2.tw	Method	TBLASTX:Wheat
Start	412	End	762
GI	none	Score	66
Exons	412..495, 413..496, 532..762, 533..733		

Seq. No.	13086	Seq. ID	OJ991101_13.0119.C3
Gene No.	27700	Strand	-
Start	1	End	1095
Name	OJ991101_13.0119.C3.o2.tm	Method	TBLASTX:Maize
Start	547	End	990
GI	none	Score	84
Exons	547..603, 610..759, 614..727, 934..990		

Seq. No.	13087	Seq. ID	OJ991101_13.0119.C4
Gene No.	27701	Strand	+
Start	17	End	58
Name	OJ991101_13.0119.C4.o1.gs	Method	GENSCAN
Start	17	End	58
GI	none	Score	.83
Exons	17..58		

Seq. No.	13088	Seq. ID	OJ991101_13.0119.C5
Gene No.	27702	Strand	+
Start	1	End	597
Name	OJ991101_13.0119.C5.o1.np	Method	AAT/NAP
Start	1	End	597
GI	4680203	Score	283
Exons	1..597		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	13088	Seq. ID	OJ991101_13.0119.C5
Gene No.	27702	Strand	+
Start	1	End	597
Name	OJ991101_13.0119.C5.o1.tw	Method	TBLASTX:Wheat
Start	1	End	486
GI	none	Score	149
Exons	1..183, 27..167, 172..219, 223..264, 226..264, 288..365, 289..393, 394..486		

Seq. No.	13088	Seq. ID	OJ991101_13.0119.C5
Gene No.	27702	Strand	+
Start	1	End	597
Name	OJ991101_13.0119.C5.o1.gs	Method	GENSCAN
Start	101	End	573
GI	none	Score	.92
Exons	101..573		

Seq. No.	13089	Seq. ID	OJ991101_13.0119.C6
Gene No.	27703	Strand	+
Start	1	End	6319
Name	OJ991101_13.0119.C6.o1.np	Method	AAT/NAP
Start	1	End	6319
GI	4584539	Score	221

Exons	1..434, 4433..4617, 5717..5762, 6290..6319		
GI Descrip.	(AL049608) extensin-like protein [Arabidopsis thaliana]		
Seq. No.	13089	Seq. ID	OJ991101_13.0119.C6
Gene No.	27703	Strand	+
Start	1	End	6319
Name	OJ991101_13.0119.C6.o1.gs	Method	GENSCAN
Start	316	End	6075
GI	none	Score	.67
Exons	316..455, 2810..3543, 3622..4997, 5080..5250, 5417..5588, 6037..6075		
Seq. No.	13089	Seq. ID	OJ991101_13.0119.C6
Gene No.	27703	Strand	+
Start	1	End	6319
Name	OJ991101_13.0119.C6.o1.gp	Method	AAT/GAP
Start	5406	End	5936
GI	LIB3431-001-P1-N1-B5	Score	742
Exons	5406..5588, 5694..5936		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		
Seq. No.	13090	Seq. ID	OJ991101_13.0119.C7
Gene No.	27704	Strand	-
Start	2237	End	2638
Name	OJ991101_13.0119.C7.o2.gs	Method	GENSCAN
Start	2237	End	2638
GI	none	Score	.77
Exons	2237..2388, 2602..2638		
Seq. No.	13091	Seq. ID	OJ991101_13.0119.C8
Gene No.	27705	Strand	+
Start	111	End	519
Name	OJ991101_13.0119.C8.o1.gs	Method	GENSCAN
Start	111	End	519
GI	none	Score	.62
Exons	111..211, 299..519		
Seq. No.	13091	Seq. ID	OJ991101_13.0119.C8
Gene No.	27706	Strand	+
Start	3873	End	4104
Name	OJ991101_13.0119.C8.o2.gp	Method	AAT/GAP
Start	2905	End	3424
GI	uC-osf1M202048c12b1	Score	764
Exons	2905..3424		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	13091	Seq. ID	OJ991101_13.0119.C8
Gene No.	27706	Strand	+
Start	3873	End	4104
Name	OJ991101_13.0119.C8.o2.gs	Method	GENSCAN
Start	3873	End	4104
GI	none	Score	.48
Exons	3873..3958, 3963..4104		
Seq. No.	13091	Seq. ID	OJ991101_13.0119.C8

Gene No.	27707	Strand	+
Start	5513	End	10598
Name	OJ991101_13.0119.C8.o3.gs	Method	GENSCAN
Start	5513	End	10598
GI	none	Score	.61
Exons	5513..6138, 7421..7529, 8775..9183, 10236..10348, 10398..10598		

Seq. No.	13091	Seq. ID	OJ991101_13.0119.C8
Gene No.	27708	Strand	+
Start	16610	End	26725
Name	OJ991101_13.0119.C8.o6.gs	Method	GENSCAN
Start	16610	End	25215
GI	none	Score	.6
Exons	16610..16667, 17544..17714, 17822..18123, 18166..18257, 18301..18623, 19496..19551, 20792..21385, 21477..21596, 22023..24396, 24425..24702, 24784..25215		

Seq. No.	13091	Seq. ID	OJ991101_13.0119.C8
Gene No.	27708	Strand	+
Start	16610	End	26725
Name	OJ991101_13.0119.C8.o1.np	Method	AAT/NAP
Start	22023	End	26725
GI	5042447	Score	4959
Exons	22023..24374, 24415..25143, 26703..26725		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	13091	Seq. ID	OJ991101_13.0119.C8
Gene No.	27708	Strand	+
Start	16610	End	26725
Name	OJ991101_13.0119.C8.o3.gp	Method	AAT/GAP
Start	25298	End	26345
GI	688_1.R1084	Score	1457
Exons	25298..25324, 25594..26345		
GI Descrip.	'226661/prf||1603356CM 6.0e-54 trnA intron ORF 109 [Oryza sativa]'		

Seq. No.	13091	Seq. ID	OJ991101_13.0119.C8
Gene No.	27709	Strand	-
Start	2136	End	2437
Name	OJ991101_13.0119.C8.o1.gp	Method	AAT/GAP
Start	2136	End	2437
GI	61605_3.R1084	Score	440
Exons	2136..2437		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	13091	Seq. ID	OJ991101_13.0119.C8
Gene No.	27710	Strand	-
Start	12692	End	14514
Name	OJ991101_13.0119.C8.o4.gs	Method	GENSCAN
Start	12692	End	14514
GI	none	Score	.57
Exons	12692..12810, 12988..13664, 13768..14160, 14447..14514		

Seq. No.	13091	Seq. ID	OJ991101_13.0119.C8
Gene No.	27711	Strand	-
Start	14826	End	16078

Name	OJ991101_13.0119.C8.o5.gs	Method	GENSCAN
Start	14826	End	16078
GI	none	Score	.41
Exons	14826..14973, 15080..15271, 15963..16078		

Seq. No.	13091	Seq. ID	OJ991101_13.0119.C8
Gene No.	27712	Strand	-
Start	25572	End	25898
Name	OJ991101_13.0119.C8.o2.np	Method	AAT/NAP
Start	25572	End	25898
GI	226661	Score	512
Exons	25572..25898		
GI Descrip.	trnA intron ORF 109 [Oryza sativa]		

Seq. No.	13091	Seq. ID	OJ991101_13.0119.C8
Gene No.	27713	Strand	-
Start	25885	End	27794
Name	OJ991101_13.0119.C8.o5.tw	Method	TBLASTX:Wheat
Start	12740	End	13073
GI	none	Score	106
Exons	12740..13072, 12792..13073		

Seq. No.	13091	Seq. ID	OJ991101_13.0119.C8
Gene No.	27713	Strand	-
Start	25885	End	27794
Name	OJ991101_13.0119.C8.o2.tm	Method	TBLASTX:Maize
Start	12935	End	13520
GI	none	Score	104
Exons	12935..13360, 12936..13133, 12956..13240, 13197..13361, 13358..13519, 13365..13520		

Seq. No.	13091	Seq. ID	OJ991101_13.0119.C8
Gene No.	27713	Strand	-
Start	25885	End	27794
Name	OJ991101_13.0119.C8.o1.tw	Method	TBLASTX:Wheat
Start	13073	End	13699
GI	none	Score	44
Exons	13073..13699, 13074..13133, 13082..13501, 13194..13640, 13665..13697		

Seq. No.	13091	Seq. ID	OJ991101_13.0119.C8
Gene No.	27713	Strand	-
Start	25885	End	27794
Name	OJ991101_13.0119.C8.o5.tm	Method	TBLASTX:Maize
Start	13568	End	13859
GI	none	Score	275
Exons	13568..13819, 13572..13820, 13827..13859		

Seq. No.	13091	Seq. ID	OJ991101_13.0119.C8
Gene No.	27713	Strand	-
Start	25885	End	27794
Name	OJ991101_13.0119.C8.o4.ts	Method	TBLASTX:Soybean
Start	13658	End	13919
GI	none	Score	141
Exons	13658..13828, 13659..13841, 13827..13919		

Seq. No.	13091	Seq. ID	OJ991101_13.0119.C8

Gene No.	27713	Strand	-
Start	25885	End	27794
Name	OJ991101_13.0119:C8.o4.tc	Method	TBLASTX:Cress
Start	13682	End	14009
GI	none	Score	87
Exons	13682..13825, 13683..13823, 13827..14009		

Seq. No.	13091	Seq. ID	OJ991101_13.0119.C8
Gene No.	27713	Strand	-
Start	25885	End	27794
Name	OJ991101_13.0119.C8.o4.tw	Method	TBLASTX:Wheat
Start	13706	End	14165
GI	none	Score	77
Exons	13706..13816, 13706..13828, 13710..13826, 13801..14103, 13824..14165, 13825..14142		

Seq. No.	13091	Seq. ID	OJ991101_13.0119.C8
Gene No.	27713	Strand	-
Start	25885	End	27794
Name	OJ991101_13.0119.C8.o3.tm	Method	TBLASTX:Maize
Start	17091	End	25056
GI	none	Score	473
Exons	17091..17138, 24691..25044, 24693..24959, 24745..25056, 24852..25049		

Seq. No.	13091	Seq. ID	OJ991101_13.0119.C8
Gene No.	27713	Strand	-
Start	25885	End	27794
Name	OJ991101_13.0119.C8.o2.tw	Method	TBLASTX:Wheat
Start	17091	End	25128
GI	none	Score	79
Exons	17091..17141, 24618..24809, 24619..25128, 24651..24962, 24697..25044		

Seq. No.	13091	Seq. ID	OJ991101_13.0119.C8
Gene No.	27713	Strand	-
Start	25885	End	27794
Name	OJ991101_13.0119.C8.o6.tw	Method	TBLASTX:Wheat
Start	22289	End	22649
GI	none	Score	300
Exons	22289..22390, 22290..22649, 22415..22648		

Seq. No.	13091	Seq. ID	OJ991101_13.0119.C8
Gene No.	27713	Strand	-
Start	25885	End	27794
Name	OJ991101_13.0119.C8.o7.tm	Method	TBLASTX:Maize
Start	22530	End	22826
GI	none	Score	202
Exons	22530..22826, 22530..22814, 22547..22717		

Seq. No.	13091	Seq. ID	OJ991101_13.0119.C8
Gene No.	27713	Strand	-
Start	25885	End	27794
Name	OJ991101_13.0119.C8.o8.tw	Method	TBLASTX:Wheat
Start	23166	End	23582
GI	none	Score	150
Exons	23166..23375, 23201..23314, 23397..23582, 23426..23581		

Seq. No.	13091	Seq. ID	OJ991101_13.0119.C8
Gene No.	27713	Strand	-
Start	25885	End	27794
Name	OJ991101_13.0119.C8.o3.tw	Method	TBLASTX:Wheat
Start	23745	End	24227
GI	none	Score	545
Exons	23745..24227, 23849..24184, 23874..24194		

Seq. No.	13091	Seq. ID	OJ991101_13.0119.C8
Gene No.	27713	Strand	-
Start	25885	End	27794
Name	OJ991101_13.0119.C8.o4.tm	Method	TBLASTX:Maize
Start	23814	End	24281
GI	none	Score	382
Exons	23814..24281		

Seq. No.	13091	Seq. ID	OJ991101_13.0119.C8
Gene No.	27713	Strand	-
Start	25885	End	27794
Name	OJ991101_13.0119.C8.o3.ts	Method	TBLASTX:Soybean
Start	24168	End	24603
GI	none	Score	57
Exons	24168..24200, 24168..24212, 24204..24377, 24204..24284, 24328..24348, 24372..24602, 24379..24603		

Seq. No.	13091	Seq. ID	OJ991101_13.0119.C8
Gene No.	27713	Strand	-
Start	25885	End	27794
Name	OJ991101_13.0119.C8.o7.tw	Method	TBLASTX:Wheat
Start	24276	End	24617
GI	none	Score	145
Exons	24276..24377, 24277..24378, 24308..24379, 24372..24617, 24375..24611, 24379..24612		

Seq. No.	13091	Seq. ID	OJ991101_13.0119.C8
Gene No.	27713	Strand	-
Start	25885	End	27794
Name	OJ991101_13.0119.C8.o6.tm	Method	TBLASTX:Maize
Start	24297	End	24684
GI	none	Score	65
Exons	24297..24377, 24308..24370, 24382..24684, 24405..24614, 24433..24645, 24654..24683		

Seq. No.	13091	Seq. ID	OJ991101_13.0119.C8
Gene No.	27713	Strand	-
Start	25885	End	27794
Name	OJ991101_13.0119.C8.o1.ts	Method	TBLASTX:Soybean
Start	25826	End	26462
GI	none	Score	136
Exons	25826..25912, 25827..25913, 25828..25956, 25898..26104, 25908..26096, 25912..26103, 26073..26219, 26089..26223, 26094..26216, 26098..26226, 26202..26462, 26218..26460		

Seq. No.	13091	Seq. ID	OJ991101_13.0119.C8
Gene No.	27713	Strand	-
Start	25885	End	27794

Name	OJ991101_13.0119.C8.o2.tc	Method	TBLASTX:Cress
Start	25838	End	26212
GI	none	Score	122
Exons	25838..25912, 25839..25913, 25898..26101, 25908..26102, 25909..26103, 26099..26173, 26099..26212, 26100..26210, 26101..26211		

Seq. No.	13091	Seq. ID	OJ991101_13.0119.C8
Gene No.	27713	Strand	-
Start	25885	End	27794
Name	OJ991101_13.0119.C8.o7.gs	Method	GENSCAN
Start	25885	End	27275
GI	none	Score	.67
Exons	25885..25971, 26647..26825, 27039..27154, 27262..27275		

Seq. No.	13091	Seq. ID	OJ991101_13.0119.C8
Gene No.	27713	Strand	-
Start	25885	End	27794
Name	OJ991101_13.0119.C8.o1.tc	Method	TBLASTX:Cress
Start	26225	End	26782
GI	none	Score	248
Exons	26225..26398, 26226..26372, 26227..26406, 26355..26687, 26395..26661, 26395..26718, 26397..26666, 26662..26751, 26663..26752, 26665..26754, 26753..26782		

Seq. No.	13091	Seq. ID	OJ991101_13.0119.C8
Gene No.	27713	Strand	-
Start	25885	End	27794
Name	OJ991101_13.0119.C8.o2.ts	Method	TBLASTX:Soybean
Start	26801	End	27045
GI	none	Score	65
Exons	26801..26860, 26802..26861, 26866..26928, 26869..26925, 26908..27045, 26913..27044, 26914..27045		

Seq. No.	13091	Seq. ID	OJ991101_13.0119.C8
Gene No.	27713	Strand	-
Start	25885	End	27794
Name	OJ991101_13.0119.C8.o3.np	Method	AAT/NAP
Start	26941	End	27339
GI	140503	Score	688
Exons	26941..27339		
GI Descrip.	HYPOTHETICAL 14 KD PROTEIN IN YCF68 TRNI INTRON (ORF 133) gi|82518|pir||JQ0279 hypothetical 14.5K protein (trnI intron) - rice chloroplast gi|12041|emb|CAA33945| (X15901) ORF133; ORF within trnI intron [Oryza sativa] gi|12061|emb|CAA33915| (X15901) ORF133; ORF within trnI intron [Oryza sativa] gi|226660|prf||1603356CL trnI intron ORF 133 [Oryza sativa]		

Seq. No.	13091	Seq. ID	OJ991101_13.0119.C8
Gene No.	27713	Strand	-
Start	25885	End	27794
Name	OJ991101_13.0119.C8.o4.gp	Method	AAT/GAP
Start	26991	End	27460
GI	uC-osf1cyp097b05b1	Score	907
Exons	26991..27460		
GI Descrip.	'140503/sp|P12173|YCTI_ORYSA 3.0e-39 HYPOTHETICAL 14 KD PROTEIN IN TRNI INTRON (ORF 133) >gi_82518_pir__JQ0279 hypothetical		

14.5K protein (trnI intron) - rice chloroplast >gi_12041_emb_CAA33945_ (X15901) ORF133; ORF within trnI intron [Oryza sativa] >gi_12061_emb_CAA33915_ (X15901) ORF133; ORF within trnI intron [Oryza sativa] >gi_226660_prf__1603356CL trnI intron ORF 133 [Oryza'

Seq. No.	13091	Seq. ID	OJ991101_13.0119.C8
Gene No.	27713	Strand	-
Start	25885	End	27794
Name	OJ991101_13.0119.C8.o1.tm	Method	TBLASTX:Maize
Start	27257	End	27771
GI	none	Score	415
Exons	27257..27529, 27257..27529, 27259..27558, 27487..27567, 27508..27570, 27579..27770, 27580..27771, 27592..27771		

Seq. No.	13091	Seq. ID	OJ991101_13.0119.C8
Gene No.	27713	Strand	-
Start	25885	End	27794
Name	OJ991101_13.0119.C8.o3.tc	Method	TBLASTX:Cress
Start	27423	End	27774
GI	none	Score	79
Exons	27423..27470, 27423..27500, 27424..27510, 27425..27508, 27488..27517, 27503..27547, 27508..27549, 27519..27584, 27523..27570, 27604..27675, 27605..27691, 27679..27774, 27680..27772		

Seq. No.	13091	Seq. ID	OJ991101_13.0119.C8
Gene No.	27713	Strand	-
Start	25885	End	27794
Name	OJ991101_13.0119.C8.o5.ts	Method	TBLASTX:Soybean
Start	27456	End	27794
GI	none	Score	46
Exons	27456..27500, 27457..27495, 27458..27502, 27505..27540, 27506..27541, 27622..27675, 27626..27691, 27626..27688, 27679..27774, 27681..27782, 27681..27773, 27774..27794		

Seq. No.	13092	Seq. ID	OJ991101_13.0119.C10
Gene No.	27714	Strand	-
Start	431	End	756
Name	OJ991101_13.0119.C10.o1.gs	Method	GENSCAN
Start	431	End	700
GI	none	Score	.6
Exons	431..700		

Seq. No.	13092	Seq. ID	OJ991101_13.0119.C10
Gene No.	27714	Strand	-
Start	431	End	756
Name	OJ991101_13.0119.C10.o1.np	Method	AAT/NAP
Start	452	End	756
GI	4680203	Score	221
Exons	452..756		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	13093	Seq. ID	OJ991101_13.0119.C11
Gene No.	27715	Strand	+
Start	973	End	1217
Name	OJ991101_13.0119.C11.o1.gs	Method	GENSCAN

Start	973	End	1217
GI	none	Score	.53
Exons	973..1075, 1108..1217		

Seq. No.	13093	Seq. ID	OJ991101_13.0119.C11
Gene No.	27716	Strand	-
Start	2729	End	3029
Name	OJ991101_13.0119.C11.o2.gs	Method	GENSCAN
Start	2729	End	3029
GI	none	Score	.8
Exons	2729..2882, 2977..3029		

Seq. No.	13094	Seq. ID	OJ991101_13.0119.C12
Gene No.	27717	Strand	+
Start	229	End	3529
Name	OJ991101_13.0119.C12.o1.gs	Method	GENSCAN
Start	229	End	3529
GI	none	Score	.63
Exons	229..543, 2539..2555, 2593..2713, 3496..3529		

Seq. No.	13094	Seq. ID	OJ991101_13.0119.C12
Gene No.	27718	Strand	-
Start	3549	End	4451
Name	OJ991101_13.0119.C12.o1.gp	Method	AAT/GAP
Start	3549	End	4451
GI	none	Score	1172
Exons	3549..3933, 4177..4451		

Seq. No.	13094	Seq. ID	OJ991101_13.0119.C12
Gene No.	27718	Strand	-
Start	3549	End	4451
Name	OJ991101_13.0119.C12.o1.tw	Method	TBLASTX:Wheat
Start	3783	End	4415
GI	none	Score	120
Exons	3783..3902, 3787..3906, 3788..3916, 3791..3916, 3892..3930, 3893..3934, 4177..4299, 4177..4305, 4178..4366, 4179..4307, 4281..4382, 4392..4415		

Seq. No.	13095	Seq. ID	OJ991101_13.0119.C13
Gene No.	27719	Strand	+
Start	499	End	3381
Name	OJ991101_13.0119.C13.o1.np	Method	AAT/NAP
Start	499	End	2519
GI	5295955	Score	856
Exons	499..615, 1297..1373, 1406..1757, 1837..1887, 1927..2519		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	13095	Seq. ID	OJ991101_13.0119.C13
Gene No.	27719	Strand	+
Start	499	End	3381
Name	OJ991101_13.0119.C13.o1.gs	Method	GENSCAN
Start	501	End	3381
GI	none	Score	.61
Exons	501..624, 1492..1707, 2212..2365, 2818..2912, 3371..3381		

Seq. No.	13096	Seq. ID	OJ991101_13.0119.C14

Gene No.	27720	Strand	+
Start	676	End	798
Name	OJ991101_13.0119.C14.o1.gs	Method	GENSCAN
Start	676	End	798
GI	none	Score	.79
Exons	676..798		

Seq. No.	13097	Seq. ID	OJ991101_13.0119.C15
Gene No.	27721	Strand	+
Start	1640	End	3847
Name	OJ991101_13.0119.C15.o1.gs	Method	GENSCAN
Start	1640	End	3847
GI	none	Score	.67
Exons	1640..1742, 2171..2214, 2416..2479, 3648..3847		

Seq. No.	13097	Seq. ID	OJ991101_13.0119.C15
Gene No.	27722	Strand	+
Start	3797	End	5459
Name	OJ991101_13.0119.C15.o1.np	Method	AAT/NAP
Start	3797	End	5459
GI	6063554	Score	255
Exons	3797..3994, 4112..4370, 5290..5459		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	13097	Seq. ID	OJ991101_13.0119.C15
Gene No.	27723	Strand	+
Start	5399	End	9081
Name	OJ991101_13.0119.C15.o3.gs	Method	GENSCAN
Start	5399	End	8811
GI	none	Score	.47
Exons	5399..5480, 6688..7304, 7734..8033, 8493..8811		

Seq. No.	13097	Seq. ID	OJ991101_13.0119.C15
Gene No.	27723	Strand	+
Start	5399	End	9081
Name	OJ991101_13.0119.C15.o2.np	Method	AAT/NAP
Start	6684	End	7445
GI	4512229	Score	1092
Exons	6684..7445		
GI Descrip.	(AB014740) ORF0 protein [Oryza sativa]		

Seq. No.	13097	Seq. ID	OJ991101_13.0119.C15
Gene No.	27723	Strand	+
Start	5399	End	9081
Name	OJ991101_13.0119.C15.o3.np	Method	AAT/NAP
Start	7684	End	9081
GI	4680179	Score	996
Exons	7684..8726, 8754..9081		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	13097	Seq. ID	OJ991101_13.0119.C15
Gene No.	27724	Strand	-
Start	4039	End	4434
Name	OJ991101_13.0119.C15.o2.gs	Method	GENSCAN
Start	4039	End	4434

GI	none	Score	.68
Exons	4039..4434		

Seq. No.	13097	Seq. ID	OJ991101_13.0119.C15
Gene No.	27725	Strand	
Start	8142	End	8483
Name	OJ991101_13.0119.C15.o1.tm	Method	TBLASTX:Maize
Start	8142	End	8456
GI	none	Score	213
Exons	8142..8456		

Seq. No.	13097	Seq. ID	OJ991101_13.0119.C15
Gene No.	27725	Strand	
Start	8142	End	8483
Name	OJ991101_13.0119.C15.o1.tw	Method	TBLASTX:Wheat
Start	8142	End	8483
GI	none	Score	268
Exons	8142..8483, 8169..8435		

Seq. No.	13097	Seq. ID	OJ991101_13.0119.C15
Gene No.	27726	Strand	
Start	8643	End	9017
Name	OJ991101_13.0119.C15.o2.tw	Method	TBLASTX:Wheat
Start	8643	End	9017
GI	none	Score	65
Exons	8643..8690, 8763..9017		

Seq. No.	13098	Seq. ID	OJ991101_13.0119.C16
Gene No.	27727	Strand	+
Start	1	End	7656
Name	OJ991101_13.0119.C16.o1.np	Method	AAT/NAP
Start	1	End	2457
GI	4680179	Score	3513
Exons	1..2457		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	13098	Seq. ID	OJ991101_13.0119.C16
Gene No.	27727	Strand	+
Start	1	End	7656
Name	OJ991101_13.0119.C16.o2.np	Method	AAT/NAP
Start	29	End	4559
GI	6063554	Score	238
Exons	29..58, 2913..3098, 3196..3454, 4387..4559		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	13098	Seq. ID	OJ991101_13.0119.C16
Gene No.	27727	Strand	+
Start	1	End	7656
Name	OJ991101_13.0119.C16.o3.gs	Method	GENSCAN
Start	4187	End	7309
GI	none	Score	.82
Exons	4187..4274, 6171..6333, 6415..7309		

Seq. No.	13098	Seq. ID	OJ991101_13.0119.C16
Gene No.	27727	Strand	+

Start	1	End	7656
Name	OJ991101_13.0119.C16.o3.np	Method	AAT/NAP
Start	5913	End	7656
GI	6907087	Score	993
Exons	5913..6281, 6327..7013, 7555..7656		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	13098	Seq. ID	OJ991101_13.0119.C16
Gene No.	27728	Strand	+
Start	8103	End	8484
Name	OJ991101_13.0119.C16.o1.gp	Method	AAT/GAP
Start	8103	End	8484
GI	uC-osf1cyp033a04b1	Score	639
Exons	8103..8484		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	13098	Seq. ID	OJ991101_13.0119.C16
Gene No.	27729	Strand	+
Start	10684	End	13249
Name	OJ991101_13.0119.C16.o5.np	Method	AAT/NAP
Start	10684	End	13249
GI	6742729	Score	1580
Exons	10684..10732, 11924..13249		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	13098	Seq. ID	OJ991101_13.0119.C16
Gene No.	27730	Strand	-
Start	2967	End	3518
Name	OJ991101_13.0119.C16.o2.gs	Method	GENSCAN
Start	2967	End	3518
GI	none	Score	.63
Exons	2967..3518		

Seq. No.	13098	Seq. ID	OJ991101_13.0119.C16
Gene No.	27731	Strand	-
Start	7549	End	13248
Name	OJ991101_13.0119.C16.o8.tw	Method	TBLASTX:Wheat
Start	5	End	179
GI	none	Score	218
Exons	5..154, 7..150, 17..175, 18..179		

Seq. No.	13098	Seq. ID	OJ991101_13.0119.C16
Gene No.	27731	Strand	-
Start	7549	End	13248
Name	OJ991101_13.0119.C16.o5.tm	Method	TBLASTX:Maize
Start	8	End	352
GI	none	Score	113
Exons	8..151, 16..141, 206..352, 217..351		

Seq. No.	13098	Seq. ID	OJ991101_13.0119.C16
Gene No.	27731	Strand	-
Start	7549	End	13248
Name	OJ991101_13.0119.C16.o1.ts	Method	TBLASTX:Soybean
Start	62	End	457

GI	none	Score	53
Exons	62..94, 62..94, 98..457, 98..178, 99..335, 214..447		

Seq. No.	13098	Seq. ID	OJ991101_13.0119.C16
Gene No.	27731	Strand	-
Start	7549	End	13248
Name	OJ991101_13.0119.C16.o5.tw	Method	TBLASTX:Wheat
Start	209	End	439
GI	none	Score	319
Exons	209..439, 214..438		

Seq. No.	13098	Seq. ID	OJ991101_13.0119.C16
Gene No.	27731	Strand	-
Start	7549	End	13248
Name	OJ991101_13.0119.C16.o2.tm	Method	TBLASTX:Maize
Start	353	End	794
GI	none	Score	219
Exons	353..589, 406..588, 542..730, 584..733, 588..761, 588..761, 753..794, 753..794		

Seq. No.	13098	Seq. ID	OJ991101_13.0119.C16
Gene No.	27731	Strand	-
Start	7549	End	13248
Name	OJ991101_13.0119.C16.o3.tw	Method	TBLASTX:Wheat
Start	442	End	839
GI	none	Score	191
Exons	442..588, 443..589, 587..835, 588..836, 594..839		

Seq. No.	13098	Seq. ID	OJ991101_13.0119.C16
Gene No.	27731	Strand	-
Start	7549	End	13248
Name	OJ991101_13.0119.C16.o4.tw	Method	TBLASTX:Wheat
Start	970	End	1445
GI	none	Score	259
Exons	970..1251, 972..1250, 1251..1439, 1257..1445, 1265..1444		

Seq. No.	13098	Seq. ID	OJ991101_13.0119.C16
Gene No.	27731	Strand	-
Start	7549	End	13248
Name	OJ991101_13.0119.C16.o2.ts	Method	TBLASTX:Soybean
Start	1257	End	1493
GI	none	Score	282
Exons	1257..1493, 1265..1492, 1296..1493		

Seq. No.	13098	Seq. ID	OJ991101_13.0119.C16
Gene No.	27731	Strand	-
Start	7549	End	13248
Name	OJ991101_13.0119.C16.o3.tm	Method	TBLASTX:Maize
Start	1292	End	1583
GI	none	Score	391
Exons	1292..1579, 1293..1583		

Seq. No.	13098	Seq. ID	OJ991101_13.0119.C16
Gene No.	27731	Strand	-
Start	7549	End	13248
Name	OJ991101_13.0119.C16.o2.tw	Method	TBLASTX:Wheat
Start	1457	End	2078

GI	none	Score	679
Exons	1457..1957, 1458..2078, 1461..2036		

Seq. No.	13098	Seq. ID	OJ991101_13.0119.C16
Gene No.	27731	Strand	-
Start	7549	End	13248
Name	OJ991101_13.0119.C16.o1.tm	Method	TBLASTX:Maize
Start	1632	End	2217
GI	none	Score	201
Exons	1632..1793, 1638..1784, 1640..1786, 1790..1954, 1791..2180, 2003..2092, 2176..2217		

Seq. No.	13098	Seq. ID	OJ991101_13.0119.C16
Gene No.	27731	Strand	-
Start	7549	End	13248
Name	OJ991101_13.0119.C16.o7.tw	Method	TBLASTX:Wheat
Start	2078	End	2412
GI	none	Score	118
Exons	2078..2149, 2079..2210, 2175..2210, 2176..2412		

Seq. No.	13098	Seq. ID	OJ991101_13.0119.C16
Gene No.	27731	Strand	-
Start	7549	End	13248
Name	OJ991101_13.0119.C16.o4.gs	Method	GENSCAN
Start	7549	End	12903
GI	none	Score	.47
Exons	7549..7655, 8035..8236, 8329..8386, 9370..9505, 10090..10294, 12190..12277, 12799..12903		

Seq. No.	13098	Seq. ID	OJ991101_13.0119.C16
Gene No.	27731	Strand	-
Start	7549	End	13248
Name	OJ991101_13.0119.C16.o4.np	Method	AAT/NAP
Start	8032	End	8236
GI	4680186	Score	240
Exons	8032..8236		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	13098	Seq. ID	OJ991101_13.0119.C16
Gene No.	27731	Strand	-
Start	7549	End	13248
Name	OJ991101_13.0119.C16.o6.tw	Method	TBLASTX:Wheat
Start	11923	End	12210
GI	none	Score	105
Exons	11923..12006, 11926..12006, 12007..12210, 12009..12170		

Seq. No.	13098	Seq. ID	OJ991101_13.0119.C16
Gene No.	27731	Strand	-
Start	7549	End	13248
Name	OJ991101_13.0119.C16.o6.tm	Method	TBLASTX:Maize
Start	11926	End	12249
GI	none	Score	114
Exons	11926..12045, 12055..12249		

Seq. No.	13098	Seq. ID	OJ991101_13.0119.C16
Gene No.	27731	Strand	-
Start	7549	End	13248

Name	OJ991101_13.0119.C16.o3.ts	Method	TBLASTX:Soybean
Start	12079	End	12321
GI	none	Score	201
Exons	12079..12321		

Seq. No.	13098	Seq. ID	OJ991101_13.0119.C16
Gene No.	27731	Strand	-
Start	7549	End	13248
Name	OJ991101_13.0119.C16.o1.tw	Method	TBLASTX:Wheat
Start	12509	End	13248
GI	none	Score	86
Exons	12509..12571, 12510..12575, 12571..13245, 12579..13034, 12652..13248		

Seq. No.	13098	Seq. ID	OJ991101_13.0119.C16
Gene No.	27731	Strand	-
Start	7549	End	13248
Name	OJ991101_13.0119.C16.o4.tm	Method	TBLASTX:Maize
Start	12552	End	12870
GI	none	Score	261
Exons	12552..12839, 12571..12870		

Seq. No.	13098	Seq. ID	OJ991101_13.0119.C16
Gene No.	27731	Strand	-
Start	7549	End	13248
Name	OJ991101_13.0119.C16.o1.tc	Method	TBLASTX:Cress
Start	12798	End	13245
GI	none	Score	133
Exons	12798..13205, 12798..13043, 12802..13245, 12802..13245		

Seq. No.	13099	Seq. ID	OJ991101_13.0119.C17
Gene No.	27732	Strand	+
Start	153	End	332
Name	OJ991101_13.0119.C17.o1.gs	Method	GENSCAN
Start	153	End	332
GI	none	Score	.8
Exons	153..332		

Seq. No.	13099	Seq. ID	OJ991101_13.0119.C17
Gene No.	27733	Strand	+
Start	498	End	606
Name	OJ991101_13.0119.C17.o1.gp	Method	AAT/GAP
Start	498	End	606
GI	LIB3477-003-P1-K1-E9	Score	145
Exons	498..606		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	13100	Seq. ID	OJ991101_13.0119.C18
Gene No.	27734	Strand	-
Start	202	End	256
Name	OJ991101_13.0119.C18.o1.gs	Method	GENSCAN
Start	202	End	256
GI	none	Score	.45
Exons	202..256		

Seq. No.	13101	Seq. ID	OJ991101_13.0119.C19
Gene No.	27735	Strand	-
Start	1	End	1093
Name	OJ991101_13.0119.C19.o2.np	Method	AAT/NAP
Start	1	End	1093
GI	6226906	Score	45
Exons	1..32, 825..1093		
GI Descrip.	SPLICING FACTOR U2AF 65 KD SUBUNIT (U2 AUXILIARY FACTOR 65 KD SUBUNIT) (U2 SNRNP AUXILIARY FACTOR LARGE SUBUNIT) (U2AF65) gi|3334906 (U79157) splicing factor U2AF65 [Caenorhabditis elegans]		

Seq. No.	13102	Seq. ID	OJ991101_13.0119.C20
Gene No.	27736	Strand	+
Start	253	End	319
Name	OJ991101_13.0119.C20.o1.gs	Method	GENSCAN
Start	253	End	319
GI	none	Score	.68
Exons	253..319		

Seq. No.	13103	Seq. ID	OJ991101_13.0119.C21
Gene No.	27737	Strand	+
Start	232	End	626
Name	OJ991101_13.0119.C21.o1.gp	Method	AAT/GAP
Start	232	End	626
GI	568184	Score	547
Exons	232..377, 450..626		

Seq. No.	13103	Seq. ID	OJ991101_13.0119.C21
Gene No.	27738	Strand	+
Start	3989	End	5460
Name	OJ991101_13.0119.C21.o2.np	Method	AAT/NAP
Start	3989	End	5460
GI	5852180	Score	291
Exons	3989..4078, 5087..5460		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	13103	Seq. ID	OJ991101_13.0119.C21
Gene No.	27739	Strand	-
Start	2429	End	3476
Name	OJ991101_13.0119.C21.o1.np	Method	AAT/NAP
Start	2429	End	3476
GI	6705984	Score	1474
Exons	2429..3476		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	13103	Seq. ID	OJ991101_13.0119.C21
Gene No.	27740	Strand	-
Start	3439	End	4320
Name	OJ991101_13.0119.C21.o3.gp	Method	AAT/GAP
Start	3439	End	4320
GI	4107138	Score	1216
Exons	3439..4320		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-149 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	13103	Seq. ID	OJ991101_13.0119.C21

Gene No.	27740	Strand	-
Start	3439	End	4320
Name	OJ991101_13.0119.C21.o2.gp	Method	AAT/GAP
Start	3444	End	3717
GI	61605_1.R1084	Score	465
Exons	3444..3717		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	13103	Seq. ID	OJ991101_13.0119.C21
Gene No.	27741	Strand	-
Start	4925	End	5573
Name	OJ991101_13.0119.C21.o2.tm	Method	TBLASTX:Maize
Start	2093	End	2623
GI	none	Score	67
Exons	2093..2206, 2094..2153, 2297..2377, 2316..2372, 2387..2623, 2454..2621		

Seq. No.	13103	Seq. ID	OJ991101_13.0119.C21
Gene No.	27741	Strand	-
Start	4925	End	5573
Name	OJ991101_13.0119.C21.o1.tw	Method	TBLASTX:Wheat
Start	2615	End	3016
GI	none	Score	275
Exons	2615..3016, 2618..3016		

Seq. No.	13103	Seq. ID	OJ991101_13.0119.C21
Gene No.	27741	Strand	-
Start	4925	End	5573
Name	OJ991101_13.0119.C21.o3.tm	Method	TBLASTX:Maize
Start	2624	End	2849
GI	none	Score	130
Exons	2624..2848, 2625..2849		

Seq. No.	13103	Seq. ID	OJ991101_13.0119.C21
Gene No.	27741	Strand	-
Start	4925	End	5573
Name	OJ991101_13.0119.C21.o4.tm	Method	TBLASTX:Maize
Start	2855	End	3115
GI	none	Score	185
Exons	2855..3115		

Seq. No.	13103	Seq. ID	OJ991101_13.0119.C21
Gene No.	27741	Strand	-
Start	4925	End	5573
Name	OJ991101_13.0119.C21.o2.tw	Method	TBLASTX:Wheat
Start	3047	End	3403
GI	none	Score	44
Exons	3047..3121, 3054..3125, 3121..3222, 3125..3403, 3129..3401, 3131..3403		

Seq. No.	13103	Seq. ID	OJ991101_13.0119.C21
Gene No.	27741	Strand	-
Start	4925	End	5573
Name	OJ991101_13.0119.C21.o1.tm	Method	TBLASTX:Maize
Start	3152	End	3445
GI	none	Score	263

Exons	3152..3445, 3152..3439, 3169..3444		
Seq. No.	13103	Seq. ID	OJ991101_13.0119.C21
Gene No.	27741	Strand	-
Start	4925	End	5573
Name	OJ991101_13.0119.C21.o1.tc	Method	TBLASTX:Cress
Start	3215	End	3442
GI	none	Score	190
Exons	3215..3442, 3216..3440, 3218..3442		
Seq. No.	13103	Seq. ID	OJ991101_13.0119.C21
Gene No.	27741	Strand	-
Start	4925	End	5573
Name	OJ991101_13.0119.C21.o4.gp	Method	AAT/GAP
Start	4925	End	5573
GI	101153_1.R1084	Score	494
Exons	4925..4951, 5243..5573		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	13104	Seq. ID	OJ991101_13.0119.C22
Gene No.	27742	Strand	+
Start	5352	End	5731
Name	OJ991101_13.0119.C22.o1.gp	Method	AAT/GAP
Start	5352	End	5731
GI	uC-osflcyp033a04b1	Score	633
Exons	5352..5731		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	13104	Seq. ID	OJ991101_13.0119.C22
Gene No.	27743	Strand	-
Start	138	End	9212
Name	OJ991101_13.0119.C22.o1.np	Method	AAT/NAP
Start	138	End	9212
GI	6705984	Score	3411
Exons	138..2813, 6442..7087, 7117..7346, 9183..9212		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		
Seq. No.	13104	Seq. ID	OJ991101_13.0119.C22
Gene No.	27744	Strand	-
Start	14273	End	15161
Name	OJ991101_13.0119.C22.o7.tm	Method	TBLASTX:Maize
Start	128	End	307
GI	none	Score	130
Exons	128..307, 129..293, 137..298		
Seq. No.	13104	Seq. ID	OJ991101_13.0119.C22
Gene No.	27744	Strand	-
Start	14273	End	15161
Name	OJ991101_13.0119.C22.o1.tw	Method	TBLASTX:Wheat
Start	230	End	656
GI	none	Score	369
Exons	230..655, 231..656		
Seq. No.	13104	Seq. ID	OJ991101_13.0119.C22
Gene No.	27744	Strand	-

Start	14273	End	15161
Name	OJ991101_13.0119.C22.o5.ts	Method	TBLASTX:Soybean
Start	372	End	571
GI	none	Score	58
Exons	372..461, 377..463, 459..557,	467..571	

Seq. No.	13104	Seq. ID	OJ991101_13.0119.C22
Gene No.	27744	Strand	-
Start	14273	End	15161
Name	OJ991101_13.0119.C22.o1.tm	Method	TBLASTX:Maize
Start	551	End	1120
GI	none	Score	132
Exons	551..1120, 675..1055		

Seq. No.	13104	Seq. ID	OJ991101_13.0119.C22
Gene No.	27744	Strand	-
Start	14273	End	15161
Name	OJ991101_13.0119.C22.o2.ts	Method	TBLASTX:Soybean
Start	576	End	835
GI	none	Score	204
Exons	576..812, 578..835		

Seq. No.	13104	Seq. ID	OJ991101_13.0119.C22
Gene No.	27744	Strand	-
Start	14273	End	15161
Name	OJ991101_13.0119.C22.o5.tw	Method	TBLASTX:Wheat
Start	743	End	1144
GI	none	Score	66
Exons	743..1144, 848..1087		

Seq. No.	13104	Seq. ID	OJ991101_13.0119.C22
Gene No.	27744	Strand	-
Start	14273	End	15161
Name	OJ991101_13.0119.C22.o1.ts	Method	TBLASTX:Soybean
Start	869	End	1216
GI	none	Score	140
Exons	869..1216, 870..1208		

Seq. No.	13104	Seq. ID	OJ991101_13.0119.C22
Gene No.	27744	Strand	-
Start	14273	End	15161
Name	OJ991101_13.0119.C22.o2.tm	Method	TBLASTX:Maize
Start	1139	End	1607
GI	none	Score	153
Exons	1139..1606, 1170..1607		

Seq. No.	13104	Seq. ID	OJ991101_13.0119.C22
Gene No.	27744	Strand	-
Start	14273	End	15161
Name	OJ991101_13.0119.C22.o4.tw	Method	TBLASTX:Wheat
Start	1193	End	1675
GI	none	Score	166
Exons	1193..1675, 1197..1571		

Seq. No.	13104	Seq. ID	OJ991101_13.0119.C22
Gene No.	27744	Strand	-
Start	14273	End	15161

Name	OJ991101_13.0119.C22.o5.tm	Method	TBLASTX:Maize
Start	1631	End	1831
GI	none	Score	169
Exons	1631..1774, 1638..1775, 1778..1831		

Seq. No.	13104	Seq. ID	OJ991101_13.0119.C22
Gene No.	27744	Strand	-
Start	14273	End	15161
Name	OJ991101_13.0119.C22.o2.tw	Method	TBLASTX:Wheat
Start	1985	End	2476
GI	none	Score	135
Exons	1985..2191, 2025..2192, 2033..2194, 2149..2193, 2195..2476, 2207..2464		

Seq. No.	13104	Seq. ID	OJ991101_13.0119.C22
Gene No.	27744	Strand	-
Start	14273	End	15161
Name	OJ991101_13.0119.C22.o3.tm	Method	TBLASTX:Maize
Start	2000	End	2236
GI	none	Score	114
Exons	2000..2236, 2001..2234		

Seq. No.	13104	Seq. ID	OJ991101_13.0119.C22
Gene No.	27744	Strand	-
Start	14273	End	15161
Name	OJ991101_13.0119.C22.o3.ts	Method	TBLASTX:Soybean
Start	2000	End	2236
GI	none	Score	108
Exons	2000..2236, 2057..2230		

Seq. No.	13104	Seq. ID	OJ991101_13.0119.C22
Gene No.	27744	Strand	-
Start	14273	End	15161
Name	OJ991101_13.0119.C22.o3.tw	Method	TBLASTX:Wheat
Start	6462	End	6987
GI	none	Score	131
Exons	6462..6797, 6490..6768, 6555..6791, 6819..6986, 6822..6968, 6823..6987		

Seq. No.	13104	Seq. ID	OJ991101_13.0119.C22
Gene No.	27744	Strand	-
Start	14273	End	15161
Name	OJ991101_13.0119.C22.o4.ts	Method	TBLASTX:Soybean
Start	6567	End	6956
GI	none	Score	105
Exons	6567..6788, 6780..6956		

Seq. No.	13104	Seq. ID	OJ991101_13.0119.C22
Gene No.	27744	Strand	-
Start	14273	End	15161
Name	OJ991101_13.0119.C22.o6.tm	Method	TBLASTX:Maize
Start	6822	End	7024
GI	none	Score	146
Exons	6822..7004, 6823..7005, 6884..7024		

Seq. No.	13104	Seq. ID	OJ991101_13.0119.C22
Gene No.	27744	Strand	-

Start	14273	End	15161
Name	OJ991101_13.0119.C22.o4.tm	Method	TBLASTX:Maize
Start	8881	End	9401
GI	none	Score	59
Exons	8881..9042, 8895..8978, 8980..9084, 9003..9392, 9032..9085, 9081..9401		

Seq. No.	13104	Seq. ID	OJ991101_13.0119.C22
Gene No.	27744	Strand	-
Start	14273	End	15161
Name	OJ991101_13.0119.C22.o2.gp	Method	AAT/GAP
Start	14273	End	14970
GI	none	Score	799
Exons	14273..14644, 14887..14970		

Seq. No.	13104	Seq. ID	OJ991101_13.0119.C22
Gene No.	27744	Strand	-
Start	14273	End	15161
Name	OJ991101_13.0119.C22.o3.gp	Method	AAT/GAP
Start	14452	End	15161
GI	none	Score	823
Exons	14452..14644, 14887..15161		

Seq. No.	13104	Seq. ID	OJ991101_13.0119.C22
Gene No.	27744	Strand	-
Start	14273	End	15161
Name	OJ991101_13.0119.C22.o6.tw	Method	TBLASTX:Wheat
Start	14494	End	15128
GI	none	Score	117
Exons	14494..14613, 14499..14627, 14502..14627, 14603..14641, 14604..14645, 14888..15076, 14889..15017, 14996..15073, 15102..15128		

Seq. No.	13105	Seq. ID	OJ991101_13.0119.C24
Gene No.	27745	Strand	+
Start	1960	End	2404
Name	OJ991101_13.0119.C24.o3.np	Method	AAT/NAP
Start	1960	End	2404
GI	2130154	Score	541
Exons	1960..2404		
GI Descrip.	hypothetical protein 241 - maize chloroplast gi|902268|emb|CAA60333| (X86563) ORF241 [Zea mays] gi|902303|emb|CAA60367| (X86563) ORF241 [Zea mays]		

Seq. No.	13105	Seq. ID	OJ991101_13.0119.C24
Gene No.	27746	Strand	+
Start	2423	End	2531
Name	OJ991101_13.0119.C24.o4.np	Method	AAT/NAP
Start	2423	End	2531
GI	82523	Score	151
Exons	2423..2531		
GI Descrip.	hypothetical 29K protein (trnH-trnV intergenic region) - rice chloroplast gi|12034|emb|CAA33940| (X15901) ORF249 [Oryza sativa] gi|12068|emb|CAA33921| (X15901) ORF249 [Oryza sativa] gi|226655|prf||1603356CF ORF 249 [Oryza sativa]		

Seq. No.	13105	Seq. ID	OJ991101_13.0119.C24

Gene No.	27747	Strand	-
Start	1	End	1090
Name	OJ991101_13.0119.C24.o1.np	Method	AAT/NAP
Start	1	End	1090
GI	1213600	Score	667
Exons	1..115, 700..1090		
GI Descrip.	(X15901) ribosomal protein L2 [Oryza sativa] gi|1213602|emb|CAA33928| (X15901) ribosomal protein L2 [Oryza sativa] gi|226679|prf||1603356DG ribosomal protein L2 [Oryza sativa]		

Seq. No.	13105	Seq. ID	OJ991101_13.0119.C24
Gene No.	27748	Strand	-
Start	1112	End	1671
Name	OJ991101_13.0119.C24.o2.ts	Method	TBLASTX:Soybean
Start	92	End	696
GI	none	Score	61
Exons	92..151, 96..152, 97..156, 97..189, 148..192, 150..191, 151..192, 192..371, 194..370, 195..422, 376..453, 377..454, 432..695, 446..694, 454..696		

Seq. No.	13105	Seq. ID	OJ991101_13.0119.C24
Gene No.	27748	Strand	-
Start	1112	End	1671
Name	OJ991101_13.0119.C24.o2.tm	Method	TBLASTX:Maize
Start	93	End	468
GI	none	Score	590
Exons	93..467, 93..464, 94..468, 94..465		

Seq. No.	13105	Seq. ID	OJ991101_13.0119.C24
Gene No.	27748	Strand	-
Start	1112	End	1671
Name	OJ991101_13.0119.C24.o1.tc	Method	TBLASTX:Cress
Start	378	End	1595
GI	none	Score	251
Exons	378..551, 378..572, 454..585, 572..688, 573..692, 696..905, 698..1411, 701..1411, 1398..1496, 1408..1503, 1416..1502, 1430..1504, 1505..1585, 1509..1595, 1510..1593		

Seq. No.	13105	Seq. ID	OJ991101_13.0119.C24
Gene No.	27748	Strand	-
Start	1112	End	1671
Name	OJ991101_13.0119.C24.o1.tm	Method	TBLASTX:Maize
Start	696	End	1473
GI	none	Score	304
Exons	696..905, 698..946, 701..946, 775..948, 882..947, 941..1471, 949..1473, 950..1471, 1141..1473		

Seq. No.	13105	Seq. ID	OJ991101_13.0119.C24
Gene No.	27748	Strand	-
Start	1112	End	1671
Name	OJ991101_13.0119.C24.o1.ts	Method	TBLASTX:Soybean
Start	696	End	1405
GI	none	Score	301
Exons	696..905, 698..1405, 701..1399		

Seq. No.	13105	Seq. ID	OJ991101_13.0119.C24

Gene No.	27748	Strand	-
Start	1112	End	1671
Name	OJ991101_13.0119.C24.o1.tw	Method	TBLASTX:Wheat
Start	1067	End	1443
GI	none	Score	598
Exons	1067..1441, 1067..1441, 1068..1442, 1141..1443		

Seq. No.	13105	Seq. ID	OJ991101_13.0119.C24
Gene No.	27748	Strand	-
Start	1112	End	1671
Name	OJ991101_13.0119.C24.o2.np	Method	AAT/NAP
Start	1112	End	1390
GI	132804	Score	491
Exons	1112..1390		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L23 gi|71300|pir||R5RZ23 ribosomal protein L23 - rice chloroplast gi|12031|emb|CAA33938| (X15901) ribosomal protein L23 [Oryza sativa] gi|12071|emb|CAA33923| (X15901) ribosomal protein L23 [Oryza sativa] gi|226652|prf||1603356CC ribosomal protein L23 [Oryza sativa]		

Seq. No.	13105	Seq. ID	OJ991101_13.0119.C24
Gene No.	27748	Strand	-
Start	1112	End	1671
Name	OJ991101_13.0119.C24.o2.tw	Method	TBLASTX:Wheat
Start	1444	End	1671
GI	none	Score	104
Exons	1444..1503, 1446..1502, 1510..1671, 1525..1671		

Seq. No.	13105	Seq. ID	OJ991101_13.0119.C24
Gene No.	27749	Strand	
Start	1825	End	2233
Name	OJ991101_13.0119.C24.o2.tc	Method	TBLASTX:Cress
Start	1825	End	2233
GI	none	Score	61
Exons	1825..1869, 1829..1864, 1856..2017, 1870..2019, 1871..2017, 1981..2019, 2004..2099, 2014..2100, 2014..2127, 2015..2101, 2102..2233, 2104..2184, 2111..2191		

Seq. No.	13105	Seq. ID	OJ991101_13.0119.C24
Gene No.	27750	Strand	
Start	2181	End	2360
Name	OJ991101_13.0119.C24.o3.ts	Method	TBLASTX:Soybean
Start	2181	End	2360
GI	none	Score	52
Exons	2181..2210, 2183..2206, 2216..2356, 2220..2360		

Seq. No.	13106	Seq. ID	OJ991111_11.0124.C1
Gene No.	27751	Strand	+
Start	1	End	683
Name	OJ991111_11.0124.C1.o1.np	Method	AAT/NAP
Start	1	End	683
GI	1184075	Score	320
Exons	1..683		
GI Descrip.	(U42444) Cf-2.1 [Lycopersicon pimpinellifolium] gi|1587673|prf||2207203A Cf-2 gene [Lycopersicon esculentum]		

Seq. No.	13106	Seq. ID	OJ991111_11.0124.C1
Gene No.	27751	Strand	+
Start	1	End	683
Name	OJ991111_11.0124.C1.o1.gs	Method	GENSCAN
Start	32	End	584
GI	none	Score	.85
Exons	32..584		

Seq. No.	13106	Seq. ID	OJ991111_11.0124.C1
Gene No.	27751	Strand	+
Start	1	End	683
Name	OJ991111_11.0124.C1.o1.tc	Method	TBLASTX:Cress
Start	32	End	682
GI	none	Score	47
Exons	32..82, 32..169, 65..169, 110..358, 176..403, 176..595, 179..604, 179..595, 185..544, 187..378, 188..604, 188..604, 193..378, 205..309, 229..378, 230..523, 302..604, 320..538, 353..598, 395..682, 440..595, 596..679, 596..673, 632..682		

Seq. No.	13106	Seq. ID	OJ991111_11.0124.C1
Gene No.	27751	Strand	+
Start	1	End	683
Name	OJ991111_11.0124.C1.o1.ts	Method	TBLASTX:Soybean
Start	50	End	679
GI	none	Score	57
Exons	50..175, 173..514, 176..604, 176..454, 179..595, 185..592, 187..390, 188..595, 196..396, 223..387, 323..604, 433..531, 569..673, 623..679		

Seq. No.	13106	Seq. ID	OJ991111_11.0124.C1
Gene No.	27751	Strand	+
Start	1	End	683
Name	OJ991111_11.0124.C1.o1.tm	Method	TBLASTX:Maize
Start	59	End	610
GI	none	Score	72
Exons	59..160, 176..577, 179..595, 187..396, 188..610, 212..604, 254..604		

Seq. No.	13107	Seq. ID	OJ991111_11.0124.C2
Gene No.	27752	Strand	+
Start	32	End	551
Name	OJ991111_11.0124.C2.o1.gs	Method	GENSCAN
Start	32	End	551
GI	none	Score	.84
Exons	32..347, 361..551		

Seq. No.	13108	Seq. ID	OJ991111_11.0124.C3
Gene No.	27753	Strand	+
Start	691	End	932
Name	OJ991111_11.0124.C3.o1.gs	Method	GENSCAN
Start	691	End	932
GI	none	Score	.99
Exons	691..764, 815..932		

Seq. No.	13109	Seq. ID	OJ991111_11.0124.C6
Gene No.	27754	Strand	-
Start	1	End	657

Name	OJ991111_11.0124.C6.o1.np	Method	AAT/NAP
Start	1	End	657
GI	2832632	Score	125
Exons	1..208, 259..381, 628..657		
GI Descrip.	(AL021711) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13109	Seq. ID	OJ991111_11.0124.C6
Gene No.	27754	Strand	-
Start	1	End	657
Name	OJ991111_11.0124.C6.o1.tm	Method	TBLASTX:Maize
Start	59	End	534
GI	none	Score	92
Exons	59..181, 64..261, 65..160, 220..399, 250..393, 466..534		

Seq. No.	13109	Seq. ID	OJ991111_11.0124.C6
Gene No.	27754	Strand	-
Start	1	End	657
Name	OJ991111_11.0124.C6.o1.gs	Method	GENSCAN
Start	65	End	370
GI	none	Score	.57
Exons	65..166, 259..370		

Seq. No.	13110	Seq. ID	OJ991111_11.0124.C7
Gene No.	27755	Strand	+
Start	431	End	3875
Name	OJ991111_11.0124.C7.o1.gs	Method	GENSCAN
Start	431	End	3875
GI	none	Score	.75
Exons	431..901, 3669..3875		

Seq. No.	13110	Seq. ID	OJ991111_11.0124.C7
Gene No.	27756	Strand	-
Start	474	End	709
Name	OJ991111_11.0124.C7.o1.np	Method	AAT/NAP
Start	474	End	709
GI	6573149	Score	105
Exons	474..709		
GI Descrip.	(AF201895) growth-regulating factor 1 [Oryza sativa]		

Seq. No.	13110	Seq. ID	OJ991111_11.0124.C7
Gene No.	27757	Strand	-
Start	7447	End	11524
Name	OJ991111_11.0124.C7.o2.gs	Method	GENSCAN
Start	7447	End	11524
GI	none	Score	.84
Exons	7447..7602, 8399..8479, 8571..8636, 8759..8836, 10259..10342, 10432..10521, 10620..10896, 11316..11524		

Seq. No.	13110	Seq. ID	OJ991111_11.0124.C7
Gene No.	27757	Strand	-
Start	7447	End	11524
Name	OJ991111_11.0124.C7.o2.np	Method	AAT/NAP
Start	7611	End	11524
GI	5701799	Score	892
Exons	7611..7715, 8399..8479, 8571..8636, 8759..8836, 10259..10336, 10432..10521, 10620..10896, 11322..11524		
GI Descrip.	(AJ245408) putative syntaxin protein [Arabidopsis thaliana]		

Seq. No.	13110	Seq. ID	OJ991111_11.0124.C7
Gene No.	27757	Strand	-
Start	7447	End	11524
Name	OJ991111_11.0124.C7.o2.gp	Method	AAT/GAP
Start	7644	End	10335
GI	427659	Score	651
Exons	7644..7715, 8399..8479, 8571..8636, 8759..8836, 10259..10335		
GI Descrip.	5701799/emb|CAB52175.1| 3.0e-29 (AJ245408) putative syntaxin protein [Arabidopsis thaliana]		

Seq. No.	13110	Seq. ID	OJ991111_11.0124.C7
Gene No.	27757	Strand	-
Start	7447	End	11524
Name	OJ991111_11.0124.C7.o2.tm	Method	TBLASTX:Maize
Start	7666	End	10456
GI	none	Score	61
Exons	7666..7716, 7671..7718, 7676..7717, 8399..8482, 8400..8480, 8569..8637, 8571..8639, 8572..8637, 8574..8639, 8756..8836, 8757..8837, 10258..10287, 10286..10345, 10286..10345, 10432..10455, 10433..10456		

Seq. No.	13110	Seq. ID	OJ991111_11.0124.C7
Gene No.	27757	Strand	-
Start	7447	End	11524
Name	OJ991111_11.0124.C7.o1.tc	Method	TBLASTX:Cress
Start	8399	End	11524
GI	none	Score	97
Exons	8399..8482, 8400..8480, 8569..8637, 8571..8639, 8572..8637, 8574..8639, 8756..8827, 8757..8828, 10298..10345, 10403..10525, 10432..10527, 10459..10530, 10587..10898, 10637..10786, 10702..10899, 11315..11380, 11462..11524		

Seq. No.	13110	Seq. ID	OJ991111_11.0124.C7
Gene No.	27757	Strand	-
Start	7447	End	11524
Name	OJ991111_11.0124.C7.o1.ts	Method	TBLASTX:Soybean
Start	8571	End	10892
GI	none	Score	60
Exons	8571..8639, 8575..8637, 8756..8827, 8756..8833, 8757..8831, 10313..10345, 10427..10525, 10432..10527, 10433..10525, 10587..10892, 10702..10890		

Seq. No.	13110	Seq. ID	OJ991111_11.0124.C7
Gene No.	27757	Strand	-
Start	7447	End	11524
Name	OJ991111_11.0124.C7.o1.tm	Method	TBLASTX:Maize
Start	10465	End	10851
GI	none	Score	78
Exons	10465..10527, 10466..10522, 10620..10781, 10621..10833, 10622..10780, 10702..10782, 10704..10799, 10762..10851, 10771..10845, 10779..10850		

Seq. No.	13111	Seq. ID	OJ991111_11.0124.C8
Gene No.	27758	Strand	+
Start	1815	End	2243
Name	OJ991111_11.0124.C8.o1.gp	Method	AAT/GAP

Start	1815	End	2243
GI	2798614	Score	744
Exons	1815..2243		
GI Descrip.	4581123/gb|AAD24613.1|AC005825_20 8.0e-53 (AC005825) unknown protein [Arabidopsis thaliana]		

Seq. No.	13111	Seq. ID	OJ991111_11.0124.C8
Gene No.	27759	Strand	+
Start	6284	End	8737
Name	OJ991111_11.0124.C8.o2.gs	Method	GENSCAN
Start	6284	End	8422
GI	none	Score	.69
Exons	6284..6463, 7258..7332, 8352..8422		

Seq. No.	13111	Seq. ID	OJ991111_11.0124.C8
Gene No.	27759	Strand	+
Start	6284	End	8737
Name	OJ991111_11.0124.C8.o3.np	Method	AAT/NAP
Start	6326	End	8737
GI	2832632	Score	304
Exons	6326..6463, 7258..7332, 7563..7616, 8352..8417, 8638..8737		
GI Descrip.	(AL021711) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13111	Seq. ID	OJ991111_11.0124.C8
Gene No.	27760	Strand	-
Start	1594	End	6472
Name	OJ991111_11.0124.C8.o1.np	Method	AAT/NAP
Start	1517	End	2358
GI	3115852	Score	688
Exons	1517..2358		
GI Descrip.	(AL022023) putative protein [Arabidopsis thaliana]		

Seq. No.	13111	Seq. ID	OJ991111_11.0124.C8
Gene No.	27760	Strand	-
Start	1594	End	6472
Name	OJ991111_11.0124.C8.o1.gs	Method	GENSCAN
Start	1594	End	2792
GI	none	Score	.8
Exons	1594..2319, 2508..2622, 2665..2792		

Seq. No.	13111	Seq. ID	OJ991111_11.0124.C8
Gene No.	27760	Strand	-
Start	1594	End	6472
Name	OJ991111_11.0124.C8.o2.np	Method	AAT/NAP
Start	1704	End	6363
GI	631341	Score	127
Exons	1704..1817, 1899..2129, 2508..2763, 6021..6363		
GI Descrip.	proline-rich protein - human gi|296669|emb|CAA30728| (X07881) proline-rich protein G1 [Homo sapiens]		

Seq. No.	13111	Seq. ID	OJ991111_11.0124.C8
Gene No.	27760	Strand	-
Start	1594	End	6472
Name	OJ991111_11.0124.C8.o1.tc	Method	TBLASTX:Cress
Start	1745	End	2262
GI	none	Score	56
Exons	1745..1810, 1870..1920, 1915..2121, 1916..2119, 2122..2160,		

2126..2161, 2146..2196, 2209..2262

Seq. No.	13111	Seq. ID	OJ991111_11.0124.C8
Gene No.	27760	Strand	-
Start	1594	End	6472
Name	OJ991111_11.0124.C8.o1.ts	Method	TBLASTX:Soybean
Start	1906	End	2269
GI	none	Score	294
Exons	1906..2223, 1907..2191, 2206..2265, 2207..2269		

Seq. No.	13111	Seq. ID	OJ991111_11.0124.C8
Gene No.	27760	Strand	-
Start	1594	End	6472
Name	OJ991111_11.0124.C8.o1.tm	Method	TBLASTX:Maize
Start	1928	End	2212
GI	none	Score	297
Exons	1928..2212, 1930..2211		

Seq. No.	13111	Seq. ID	OJ991111_11.0124.C8
Gene No.	27760	Strand	-
Start	1594	End	6472
Name	OJ991111_11.0124.C8.o2.tm	Method	TBLASTX:Maize
Start	6247	End	6472
GI	none	Score	202
Exons	6247..6336, 6313..6471, 6314..6472		

Seq. No.	13112	Seq. ID	OJ991111_11.0124.C9
Gene No.	27761	Strand	+
Start	1	End	5036
Name	OJ991111_11.0124.C9.o1.np	Method	AAT/NAP
Start	1	End	5036
GI	2832632	Score	1168
Exons	1..129, 417..496, 582..682, 767..862, 1274..1338, 1583..1738, 1894..2204, 2345..2508, 2560..2685, 3479..3523, 3978..4118, 4485..4586, 4938..5036		
GI Descrip.	(AL021711) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13112	Seq. ID	OJ991111_11.0124.C9
Gene No.	27761	Strand	+
Start	1	End	5036
Name	OJ991111_11.0124.C9.o1.gs	Method	GENSCAN
Start	79	End	5036
GI	none	Score	.94
Exons	79..129, 209..325, 582..682, 1578..1738, 1894..2123, 2584..2685, 3479..3523, 3978..4118, 4485..4586, 4938..5036		

Seq. No.	13112	Seq. ID	OJ991111_11.0124.C9
Gene No.	27762	Strand	+
Start	6015	End	8978
Name	OJ991111_11.0124.C9.o2.gs	Method	GENSCAN
Start	6015	End	8709
GI	none	Score	.66
Exons	6015..6380, 6466..6610, 6720..6785, 8567..8709		

Seq. No.	13112	Seq. ID	OJ991111_11.0124.C9
Gene No.	27762	Strand	+
Start	6015	End	8978

Name	OJ991111_11.0124.C9.o2.np	Method	AAT/NAP
Start	6086	End	8706
GI	2246378	Score	670
Exons	6086..6391, 6513..6610, 6720..6785, 8567..8706		
GI Descrip.	(Z86094) plastid protein [Arabidopsis thaliana]		

Seq. No.	13112	Seq. ID	OJ991111_11.0124.C9
Gene No.	27762	Strand	+
Start	6015	End	8978
Name	OJ991111_11.0124.C9.o2.gp	Method	AAT/GAP
Start	6252	End	8978
GI	39388_1.R1084	Score	1264
Exons	6252..6391, 6513..6611, 6720..6785, 8567..8978		
GI Descrip.	'2440029/emb|CAA75116| 7.0e-45 (Y14851) DAL1 protein [Arabidopsis thaliana] >gi_2440031_emb_CAA75115_ (Y14850) DAL1 protein [Arabidopsis thaliana]'		

Seq. No.	13112	Seq. ID	OJ991111_11.0124.C9
Gene No.	27763	Strand	-
Start	5270	End	5480
Name	OJ991111_11.0124.C9.o1.gp	Method	AAT/GAP
Start	5270	End	5480
GI	none	Score	403
Exons	5270..5480		

Seq. No.	13112	Seq. ID	OJ991111_11.0124.C9
Gene No.	27764	Strand	-
Start	9185	End	9504
Name	OJ991111_11.0124.C9.o4.tm	Method	TBLASTX:Maize
Start	84	End	498
GI	none	Score	37
Exons	84..131, 85..132, 86..142, 207..326, 208..327, 219..335, 433..495, 455..496, 457..498		

Seq. No.	13112	Seq. ID	OJ991111_11.0124.C9
Gene No.	27764	Strand	-
Start	9185	End	9504
Name	OJ991111_11.0124.C9.o5.tm	Method	TBLASTX:Maize
Start	768	End	1632
GI	none	Score	155
Exons	768..863, 768..863, 769..864, 1247..1336, 1275..1334, 1282..1335, 1403..1492, 1429..1491, 1440..1493, 1581..1631, 1584..1631, 1585..1632		

Seq. No.	13112	Seq. ID	OJ991111_11.0124.C9
Gene No.	27764	Strand	-
Start	9185	End	9504
Name	OJ991111_11.0124.C9.o2.ts	Method	TBLASTX:Soybean
Start	1297	End	1988
GI	none	Score	77
Exons	1297..1338, 1299..1355, 1417..1491, 1418..1492, 1581..1742, 1584..1739, 1585..1746, 1878..1988		

Seq. No.	13112	Seq. ID	OJ991111_11.0124.C9
Gene No.	27764	Strand	-
Start	9185	End	9504
Name	OJ991111_11.0124.C9.o2.tm	Method	TBLASTX:Maize

Start	1878	End	4586
GI	none	Score	109
Exons	1878..2018, 1892..1963, 1965..2048, 1982..2050, 2001..2123, 2038..2124, 2215..2262, 2216..2284, 2220..2258, 2221..2259, 2351..2389, 2356..2391, 2357..2389, 2372..2536, 2377..2529, 2551..2685, 2581..2691, 2583..2687, 3478..3519, 3479..3550, 3966..4118, 3974..4135, 3977..4126, 4187..4282, 4197..4298, 4199..4279, 4479..4586, 4484..4579		

Seq. No.	13112	Seq. ID	OJ991111_11.0124.C9
Gene No.	27764	Strand	-
Start	9185	End	9504
Name	OJ991111_11.0124.C9.o3.ts	Method	TBLASTX:Soybean
Start	2596	End	5030
GI	none	Score	112
Exons	2596..2691, 3479..3550, 3960..4118, 3980..4135, 3986..4126, 4197..4298, 4198..4293, 4199..4294, 4479..4586, 4487..4594, 4490..4594, 4914..5030		

Seq. No.	13112	Seq. ID	OJ991111_11.0124.C9
Gene No.	27764	Strand	-
Start	9185	End	9504
Name	OJ991111_11.0124.C9.o2.tc	Method	TBLASTX:Cress
Start	3966	End	5015
GI	none	Score	64
Exons	3966..4028, 4011..4118, 4046..4105, 4197..4298, 4199..4279, 4290..4325, 4479..4586, 4484..4597, 4914..5015, 4934..4987		

Seq. No.	13112	Seq. ID	OJ991111_11.0124.C9
Gene No.	27764	Strand	-
Start	9185	End	9504
Name	OJ991111_11.0124.C9.o1.tm	Method	TBLASTX:Maize
Start	6137	End	8712
GI	none	Score	95
Exons	6137..6199, 6138..6215, 6242..6391, 6243..6389, 6251..6391, 6501..6611, 6511..6615, 6535..6615, 6713..6784, 6718..6783, 6719..6829, 8560..8712, 8565..8708		

Seq. No.	13112	Seq. ID	OJ991111_11.0124.C9
Gene No.	27764	Strand	-
Start	9185	End	9504
Name	OJ991111_11.0124.C9.o1.tc	Method	TBLASTX:Cress
Start	6242	End	8712
GI	none	Score	263
Exons	6242..6391, 6243..6389, 6501..6614, 6511..6615, 6713..6784, 6718..6783, 8558..8671, 8560..8712, 8565..8708		

Seq. No.	13112	Seq. ID	OJ991111_11.0124.C9
Gene No.	27764	Strand	-
Start	9185	End	9504
Name	OJ991111_11.0124.C9.o1.ts	Method	TBLASTX:Soybean
Start	6242	End	8708
GI	none	Score	247
Exons	6242..6391, 6243..6389, 6257..6391, 6501..6611, 6511..6615, 6713..6784, 6718..6798, 6718..6783, 6719..6787, 8560..8652, 8565..8708		

Seq. No.	13112	Seq. ID	OJ991111_11.0124.C9
Gene No.	27764	Strand	-
Start	9185	End	9504
Name	OJ991111_11.0124.C9.o1.tw	Method	TBLASTX:Wheat
Start	6529	End	8711
GI	none	Score	145
Exons	6529..6615, 6535..6609, 6567..6623, 6587..6610, 6713..6784, 6717..6797, 6717..6797, 6718..6798, 6725..6829, 8560..8703, 8562..8711, 8565..8702		

Seq. No.	13112	Seq. ID	OJ991111_11.0124.C9
Gene No.	27764	Strand	-
Start	9185	End	9504
Name	OJ991111_11.0124.C9.o3.gs	Method	GENSCAN
Start	9185	End	9391
GI	none	Score	.92
Exons	9185..9391		

Seq. No.	13112	Seq. ID	OJ991111_11.0124.C9
Gene No.	27764	Strand	-
Start	9185	End	9504
Name	OJ991111_11.0124.C9.o3.np	Method	AAT/NAP
Start	9188	End	9504
GI	5734618	Score	501
Exons	9188..9504		
GI Descrip.	(AP000391) Similar to Arabidopsis thaliana chromosome II BAC F5H14 genomic sequence; unknown protein (AC006234) [Oryza sativa]		

Seq. No.	13112	Seq. ID	OJ991111_11.0124.C9
Gene No.	27764	Strand	-
Start	9185	End	9504
Name	OJ991111_11.0124.C9.o3.tm	Method	TBLASTX:Maize
Start	9203	End	9500
GI	none	Score	39
Exons	9203..9346, 9204..9347, 9344..9499, 9405..9500		

Seq. No.	13113	Seq. ID	OJ991111_11.0124.C10
Gene No.	27765	Strand	+
Start	468	End	737
Name	OJ991111_11.0124.C10.o1.gs	Method	GENSCAN
Start	468	End	737
GI	none	Score	.65
Exons	468..737		

Seq. No.	13113	Seq. ID	OJ991111_11.0124.C10
Gene No.	27766	Strand	+
Start	11278	End	11703
Name	OJ991111_11.0124.C10.o2.gp	Method	AAT/GAP
Start	11278	End	11703
GI	94945_1.R1084	Score	589
Exons	11278..11703		
GI Descrip.	'4521194/dbj|AB013613.1|AB013613 1.0e-132 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	13113	Seq. ID	OJ991111_11.0124.C10
Gene No.	27767	Strand	-

Start	1472	End	6359
Name	OJ991111_11.0124.C10.o1.gp	Method	AAT/GAP
Start	1168	End	3036
GI	23464_1.R1084	Score	1210
Exons	1168..1571, 1656..1722, 1957..2005, 2092..2148, 2661..2732, 2980..3036		
GI Descrip.	'4165510/emb|CAA22249.1| 7.0e-24 (AL034356) predicted using hexExon; L7610.8, DNAJ-like protein, len:232 aa; Similarity to prokaryotic DNAJ proteins and eukarytoic DNAJ-like chaperones. E.coli DNAJ (SW:DNAJ_ECOLI) BLAST score: 405 P: 5.3e-38, 37% identity in'		

Seq. No.	13113	Seq. ID	OJ991111_11.0124.C10
Gene No.	27767	Strand	-
Start	1472	End	6359
Name	OJ991111_11.0124.C10.o1.np	Method	AAT/NAP
Start	1421	End	5933
GI	1169371	Score	318
Exons	1421..1571, 1656..1722, 1957..1999, 2086..2148, 2661..2732, 2980..3071, 3166..3238, 3705..3779, 3882..3946, 4042..4159, 4669..4794, 5159..5197, 5287..5370, 5853..5933		
GI Descrip.	DNAJ PROTEIN		

Seq. No.	13113	Seq. ID	OJ991111_11.0124.C10
Gene No.	27767	Strand	-
Start	1472	End	6359
Name	OJ991111_11.0124.C10.o2.gs	Method	GENSCAN
Start	1472	End	6359
GI	none	Score	.89
Exons	1472..1571, 1656..1722, 1957..2005, 2661..2732, 2980..3071, 4042..4129, 4669..4794, 5159..5197, 5287..5370, 5853..5944, 5995..6135, 6245..6359		

Seq. No.	13113	Seq. ID	OJ991111_11.0124.C10
Gene No.	27768	Strand	-
Start	9433	End	10065
Name	OJ991111_11.0124.C10.o2.np	Method	AAT/NAP
Start	9433	End	10065
GI	6498458	Score	103
Exons	9433..9535, 9819..10065		
GI Descrip.	(AP000816) hypothetical protein [Oryza sativa]		

Seq. No.	13113	Seq. ID	OJ991111_11.0124.C10
Gene No.	27769	Strand	-
Start	11220	End	12455
Name	OJ991111_11.0124.C10.o1.tm	Method	TBLASTX:Maize
Start	1527	End	5952
GI	none	Score	104
Exons	1527..1580, 1653..1724, 1657..1725, 1658..1723, 1659..1724, 1953..2060, 1955..2014, 2083..2148, 2091..2150, 2092..2145, 2105..2149, 2657..2734, 2661..2738, 2661..2735, 2974..3009, 3010..3072, 3164..3238, 3165..3239, 3165..3239, 3166..3243, 3696..3779, 3700..3804, 3883..3945, 3883..3927, 3894..3944, 4039..4131, 4040..4132, 4043..4135, 4174..4257, 4193..4267, 4668..4730, 4669..4722, 4675..4782, 4745..4798, 4755..4796, 5141..5200, 5157..5198, 5158..5205, 5287..5355, 5288..5371, 5288..5380, 5850..5945, 5857..5952		

Seq. No.	13113	Seq. ID	OJ991111_11.0124.C10
Gene No.	27769	Strand	-
Start	11220	End	12455
Name	OJ991111_11.0124.C10.o4.gs	Method	GENSCAN
Start	11220	End	12455
GI	none	Score	.54
Exons	11220..11306, 11818..12455		

Seq. No.	13114	Seq. ID	OJ991111_11.0124.C11
Gene No.	27770	Strand	-
Start	5977	End	10619
Name	OJ991111_11.0124.C11.o2.gs	Method	GENSCAN
Start	5977	End	10619
GI	none	Score	.41
Exons	5977..6017, 6525..6706, 6843..7073, 8032..8128, 9661..9957, 10431..10516, 10555..10619		

Seq. No.	13114	Seq. ID	OJ991111_11.0124.C11
Gene No.	27770	Strand	-
Start	5977	End	10619
Name	OJ991111_11.0124.C11.o1.tm	Method	TBLASTX:Maize
Start	8550	End	8789
GI	none	Score	152
Exons	8550..8651, 8552..8650, 8676..8789		

Seq. No.	13115	Seq. ID	OJ991111_11.0124.C12
Gene No.	27771	Strand	+
Start	1058	End	1537
Name	OJ991111_11.0124.C12.o1.gs	Method	GENSCAN
Start	1058	End	1537
GI	none	Score	.73
Exons	1058..1537		

Seq. No.	13115	Seq. ID	OJ991111_11.0124.C12
Gene No.	27772	Strand	+
Start	1578	End	1824
Name	OJ991111_11.0124.C12.o1.gp	Method	AAT/GAP
Start	1578	End	1824
GI	3761181	Score	426
Exons	1578..1824		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	13115	Seq. ID	OJ991111_11.0124.C12
Gene No.	27773	Strand	-
Start	3298	End	4904
Name	OJ991111_11.0124.C12.o1.np	Method	AAT/NAP
Start	3278	End	4904
GI	5091513	Score	538
Exons	3278..3577, 3629..3698, 4110..4304, 4353..4904		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	13115	Seq. ID	OJ991111_11.0124.C12
Gene No.	27773	Strand	-
Start	3298	End	4904
Name	OJ991111_11.0124.C12.o2.gs	Method	GENSCAN

Start	3298	End	3652
GI	none	Score	.73
Exons	3298..3407, 3472..3652		

Seq. No.	13115	Seq. ID	OJ991111_11.0124.C12
Gene No.	27773	Strand	-
Start	3298	End	4904
Name	OJ991111_11.0124.C12.o3.gs	Method	GENSCAN
Start	4045	End	4889
GI	none	Score	.82
Exons	4045..4304, 4550..4889		

Seq. No.	13116	Seq. ID	OJ991111_11.0124.C13
Gene No.	27774	Strand	+
Start	1	End	375
Name	OJ991111_11.0124.C13.o1.np	Method	AAT/NAP
Start	1	End	375
GI	5091512	Score	586
Exons	1..375		
GI Descrip.	(AB023482) Similar to Plasmodium vivax circumsporozoite protein gene, complete cds.(M11926) [Oryza sativa]		

Seq. No.	13116	Seq. ID	OJ991111_11.0124.C13
Gene No.	27775	Strand	-
Start	69	End	1559
Name	OJ991111_11.0124.C13.o1.gs	Method	GENSCAN
Start	69	End	1559
GI	none	Score	.69
Exons	69..389, 1390..1559		

Seq. No.	13117	Seq. ID	OJ991111_11.0124.C14
Gene No.	27776	Strand	+
Start	263	End	470
Name	OJ991111_11.0124.C14.o1.gs	Method	GENSCAN
Start	263	End	470
GI	none	Score	.85
Exons	263..280, 330..470		

Seq. No.	13117	Seq. ID	OJ991111_11.0124.C14
Gene No.	27777	Strand	+
Start	11129	End	15679
Name	OJ991111_11.0124.C14.o6.gs	Method	GENSCAN
Start	11129	End	15679
GI	none	Score	.61
Exons	11129..11213, 11215..11411, 11500..11669, 11697..11837, 11842..11992, 12942..13313, 14571..14679, 14746..14848, 15028..15679		

Seq. No.	13117	Seq. ID	OJ991111_11.0124.C14
Gene No.	27778	Strand	+
Start	21639	End	21888
Name	OJ991111_11.0124.C14.o4.np	Method	AAT/NAP
Start	21639	End	21888
GI	4584539	Score	61
Exons	21639..21888		
GI Descrip.	(AL049608) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	13117	Seq. ID	OJ991111_11.0124.C14
Gene No.	27779	Strand	+
Start	23720	End	24984
Name	OJ991111_11.0124.C14.o2.gp	Method	AAT/GAP
Start	23212	End	23299
GI	3760640	Score	86
Exons	23212..23299		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	13117	Seq. ID	OJ991111_11.0124.C14
Gene No.	27779	Strand	+
Start	23720	End	24984
Name	OJ991111_11.0124.C14.o9.gs	Method	GENSCAN
Start	23720	End	24984
GI	none	Score	.77
Exons	23720..23789, 24584..24633, 24853..24984		

Seq. No.	13117	Seq. ID	OJ991111_11.0124.C14
Gene No.	27780	Strand	-
Start	1	End	3570
Name	OJ991111_11.0124.C14.o1.gp	Method	AAT/GAP
Start	1	End	184
GI	3761181	Score	345
Exons	1..184		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	13117	Seq. ID	OJ991111_11.0124.C14
Gene No.	27780	Strand	-
Start	1	End	3570
Name	OJ991111_11.0124.C14.o1.np	Method	AAT/NAP
Start	1	End	2705
GI	5777623	Score	248
Exons	1..19, 1422..1503, 2177..2224, 2323..2391, 2458..2705		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	13117	Seq. ID	OJ991111_11.0124.C14
Gene No.	27780	Strand	-
Start	1	End	3570
Name	OJ991111_11.0124.C14.o2.gs	Method	GENSCAN
Start	1283	End	3570
GI	none	Score	.91
Exons	1283..2315, 2333..3570		

Seq. No.	13117	Seq. ID	OJ991111_11.0124.C14
Gene No.	27781	Strand	-
Start	7999	End	17500
Name	OJ991111_11.0124.C14.o5.gs	Method	GENSCAN
Start	7999	End	10400
GI	none	Score	.73
Exons	7999..8805, 9254..9376, 10374..10400		

Seq. No.	13117	Seq. ID	OJ991111_11.0124.C14
Gene No.	27781	Strand	-
Start	7999	End	17500
Name	OJ991111_11.0124.C14.o2.np	Method	AAT/NAP

Start	8997	End	17001
GI	2213632	Score	612
Exons	8997..9044, 16232..17001		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	13117	Seq. ID	OJ991111_11.0124.C14
Gene No.	27781	Strand	-
Start	7999	End	17500
Name	OJ991111_11.0124.C14.o7.gs	Method	GENSCAN
Start	16052	End	17500
GI	none	Score	.88
Exons	16052..16641, 16926..17119, 17265..17500		

Seq. No.	13117	Seq. ID	OJ991111_11.0124.C14
Gene No.	27782	Strand	-
Start	20006	End	22487
Name	OJ991111_11.0124.C14.o3.np	Method	AAT/NAP
Start	20006	End	22487
GI	2541876	Score	555
Exons	20006..21049, 22462..22487		
GI Descrip.	(D26015) CND41, chloroplast nucleoid DNA binding protein [Nicotiana tabacum]		

Seq. No.	13117	Seq. ID	OJ991111_11.0124.C14
Gene No.	27782	Strand	-
Start	20006	End	22487
Name	OJ991111_11.0124.C14.o8.gs	Method	GENSCAN
Start	20006	End	21785
GI	none	Score	.9
Exons	20006..21058, 21271..21465, 21705..21785		

Seq. No.	13117	Seq. ID	OJ991111_11.0124.C14
Gene No.	27783	Strand	-
Start	23661	End	27672
Name	OJ991111_11.0124.C14.o3.tm	Method	TBLASTX:Maize
Start	2380	End	2637
GI	none	Score	94
Exons	2380..2637, 2408..2530, 2521..2622		

Seq. No.	13117	Seq. ID	OJ991111_11.0124.C14
Gene No.	27783	Strand	-
Start	23661	End	27672
Name	OJ991111_11.0124.C14.o1.tm	Method	TBLASTX:Maize
Start	16289	End	16766
GI	none	Score	208
Exons	16289..16354, 16394..16765, 16395..16766		

Seq. No.	13117	Seq. ID	OJ991111_11.0124.C14
Gene No.	27783	Strand	-
Start	23661	End	27672
Name	OJ991111_11.0124.C14.o1.tw	Method	TBLASTX:Wheat
Start	16301	End	16723
GI	none	Score	113
Exons	16301..16528, 16356..16529, 16538..16723, 16544..16678, 16572..16712		

Seq. No.	13117	Seq. ID	OJ991111_11.0124.C14

Gene No.	27783	Strand	-
Start	23661	End	27672
Name	OJ991111_11.0124.C14.o4.tm	Method	TBLASTX:Maize
Start	16916	End	17082
GI	none	Score	152
Exons	16916..17071, 16918..17082		

Seq. No.	13117	Seq. ID	OJ991111_11.0124.C14
Gene No.	27783	Strand	-
Start	23661	End	27672
Name	OJ991111_11.0124.C14.o2.tm	Method	TBLASTX:Maize
Start	20006	End	20410
GI	none	Score	162
Exons	20006..20260, 20046..20261, 20261..20410, 20262..20393		

Seq. No.	13117	Seq. ID	OJ991111_11.0124.C14
Gene No.	27783	Strand	-
Start	23661	End	27672
Name	OJ991111_11.0124.C14.o1.tc	Method	TBLASTX:Cress
Start	20009	End	20383
GI	none	Score	70
Exons	20009..20140, 20040..20135, 20147..20383, 20148..20363		

Seq. No.	13117	Seq. ID	OJ991111_11.0124.C14
Gene No.	27783	Strand	-
Start	23661	End	27672
Name	OJ991111_11.0124.C14.o1.ts	Method	TBLASTX:Soybean
Start	20009	End	21013
GI	none	Score	61
Exons	20009..20140, 20025..20135, 20144..20386, 20148..20363, 20360..20446, 20360..20446, 20525..20650, 20672..20800, 20837..20926, 20939..21013		

Seq. No.	13117	Seq. ID	OJ991111_11.0124.C14
Gene No.	27783	Strand	-
Start	23661	End	27672
Name	OJ991111_11.0124.C14.o6.np	Method	AAT/NAP
Start	23661	End	27672
GI	6063557	Score	327
Exons	23661..23682, 26975..27142, 27391..27564, 27646..27672		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	13117	Seq. ID	OJ991111_11.0124.C14
Gene No.	27783	Strand	-
Start	23661	End	27672
Name	OJ991111_11.0124.C14.o10.gs	Method	GENSCAN
Start	27030	End	27588
GI	none	Score	.75
Exons	27030..27169, 27435..27588		

Seq. No.	13118	Seq. ID	OJ991111_11.0124.C15
Gene No.	27784	Strand	+
Start	2383	End	2512
Name	OJ991111_11.0124.C15.o1.np	Method	AAT/NAP
Start	2383	End	2512
GI	6165778	Score	159
Exons	2383..2512		

GI Descrip.	(AF099420) R2R3MYB-domain protein [Zea mays]		
Seq. No.	13118	Seq. ID	OJ991111_11.0124.C15
Gene No.	27785	Strand	-
Start	2006	End	3475
Name	OJ991111_11.0124.C15.o2.np	Method	AAT/NAP
Start	2006	End	3475
GI	6721516	Score	92
Exons	2006..2255, 3002..3049, 3088..3293, 3453..3475		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	13118	Seq. ID	OJ991111_11.0124.C15
Gene No.	27785	Strand	-
Start	2006	End	3475
Name	OJ991111_11.0124.C15.o1.tw	Method	TBLASTX:Wheat
Start	2434	End	2586
GI	none	Score	184
Exons	2434..2586, 2435..2551		
Seq. No.	13119	Seq. ID	OJ991111_11.0124.C16
Gene No.	27786	Strand	+
Start	329	End	1894
Name	OJ991111_11.0124.C16.o1.gs	Method	GENSCAN
Start	329	End	1894
GI	none	Score	.56
Exons	329..1894		
Seq. No.	13119	Seq. ID	OJ991111_11.0124.C16
Gene No.	27787	Strand	+
Start	2337	End	3686
Name	OJ991111_11.0124.C16.o2.tm	Method	TBLASTX:Maize
Start	2225	End	2636
GI	none	Score	85
Exons	2225..2317, 2255..2317, 2346..2636, 2354..2422, 2450..2578		
Seq. No.	13119	Seq. ID	OJ991111_11.0124.C16
Gene No.	27787	Strand	+
Start	2337	End	3686
Name	OJ991111_11.0124.C16.o2.np	Method	AAT/NAP
Start	2337	End	3686
GI	3645899	Score	959
Exons	2337..3396, 3665..3686		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		
Seq. No.	13119	Seq. ID	OJ991111_11.0124.C16
Gene No.	27787	Strand	+
Start	2337	End	3686
Name	OJ991111_11.0124.C16.o2.tw	Method	TBLASTX:Wheat
Start	2361	End	2666
GI	none	Score	210
Exons	2361..2666, 2374..2412, 2459..2596		
Seq. No.	13119	Seq. ID	OJ991111_11.0124.C16
Gene No.	27787	Strand	+
Start	2337	End	3686
Name	OJ991111_11.0124.C16.o3.tm	Method	TBLASTX:Maize
Start	2649	End	2887

GI	none	Score	51
Exons	2649..2717, 2708..2860, 2712..2840, 2714..2854, 2834..2887		

Seq. No.	13119	Seq. ID	OJ991111_11.0124.C16
Gene No.	27787	Strand	+
Start	2337	End	3686
Name	OJ991111_11.0124.C16.o1.tw	Method	TBLASTX:Wheat
Start	2751	End	3322
GI	none	Score	84
Exons	2751..2843, 2833..2979, 2834..2995, 2997..3035, 3008..3031, 3035..3313, 3142..3312, 3146..3322		

Seq. No.	13119	Seq. ID	OJ991111_11.0124.C16
Gene No.	27787	Strand	+
Start	2337	End	3686
Name	OJ991111_11.0124.C16.o1.tm	Method	TBLASTX:Maize
Start	2890	End	3394
GI	none	Score	482
Exons	2890..3078, 2891..3394, 3139..3372		

Seq. No.	13120	Seq. ID	OJ991111_11.0124.C17
Gene No.	27788	Strand	-
Start	325	End	2689
Name	OJ991111_11.0124.C17.o1.gs	Method	GENSCAN
Start	325	End	2689
GI	none	Score	.83
Exons	325..771, 1594..1698, 2008..2182, 2623..2689		

Seq. No.	13120	Seq. ID	OJ991111_11.0124.C17
Gene No.	27788	Strand	-
Start	325	End	2689
Name	OJ991111_11.0124.C17.o1.np	Method	AAT/NAP
Start	717	End	2145
GI	6907088	Score	1107
Exons	717..1100, 1594..1832, 2008..2145		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	13121	Seq. ID	OJ991111_11.0124.C18
Gene No.	27789	Strand	+
Start	1	End	2111
Name	OJ991111_11.0124.C18.o1.np	Method	AAT/NAP
Start	1	End	1427
GI	6630685	Score	1514
Exons	1..1427		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	13121	Seq. ID	OJ991111_11.0124.C18
Gene No.	27789	Strand	+
Start	1	End	2111
Name	OJ991111_11.0124.C18.o2.np	Method	AAT/NAP
Start	1	End	2111
GI	4996369	Score	493
Exons	1..141, 226..1393, 2056..2111		
GI Descrip.	(AB021267) polyprotein [Arabidopsis thaliana]		

Seq. No.	13121	Seq. ID	OJ991111_11.0124.C18

Gene No.	27789	Strand	+
Start	1	End	2111
Name	OJ991111_11.0124.C18.o1.gs	Method	GENSCAN
Start	14	End	1885
GI	none	Score	.83
Exons	14..379, 787..1688, 1777..1885		

Seq. No.	13121	Seq. ID	OJ991111_11.0124.C18
Gene No.	27789	Strand	+
Start	1	End	2111
Name	OJ991111_11.0124.C18.o3.tm	Method	TBLASTX:Maize
Start	131	End	457
GI	none	Score	278
Exons	131..400, 131..412, 196..453, 400..456, 401..457		

Seq. No.	13121	Seq. ID	OJ991111_11.0124.C18
Gene No.	27789	Strand	+
Start	1	End	2111
Name	OJ991111_11.0124.C18.o1.ts	Method	TBLASTX:Soybean
Start	185	End	763
GI	5509260	Score	633
Exons	185..763, 277..762		
GI Descrip.	-		

Seq. No.	13121	Seq. ID	OJ991111_11.0124.C18
Gene No.	27789	Strand	+
Start	1	End	2111
Name	OJ991111_11.0124.C18.o1.tw	Method	TBLASTX:Wheat
Start	329	End	784
GI	none	Score	61
Exons	329..400, 437..763, 443..580, 444..695, 445..762, 614..784		

Seq. No.	13121	Seq. ID	OJ991111_11.0124.C18
Gene No.	27789	Strand	+
Start	1	End	2111
Name	OJ991111_11.0124.C18.o1.tc	Method	TBLASTX:Cress
Start	398	End	679
GI	none	Score	180
Exons	398..679, 430..552		

Seq. No.	13121	Seq. ID	OJ991111_11.0124.C18
Gene No.	27789	Strand	+
Start	1	End	2111
Name	OJ991111_11.0124.C18.o1.tm	Method	TBLASTX:Maize
Start	458	End	912
GI	none	Score	365
Exons	458..763, 458..574, 460..762, 748..897, 789..905, 790..912, 797..904		

Seq. No.	13121	Seq. ID	OJ991111_11.0124.C18
Gene No.	27789	Strand	+
Start	1	End	2111
Name	OJ991111_11.0124.C18.o2.ts	Method	TBLASTX:Soybean
Start	931	End	1879
GI	none	Score	77
Exons	931..1020, 1027..1335, 1687..1818, 1688..1879		

Seq. No.	13121	Seq. ID	OJ991111_11.0124.C18
Gene No.	27789	Strand	+
Start	1	End	2111
Name	OJ991111_11.0124.C18.o2.tm	Method	TBLASTX:Maize
Start	954	End	1834
GI	none	Score	88
Exons	954..1022, 955..1023, 958..1032, 1019..1081, 1044..1076, 1067..1123, 1079..1312, 1080..1349, 1081..1350, 1691..1834		

Seq. No.	13122	Seq. ID	OJ991111_11.0124.C19
Gene No.	27790	Strand	+
Start	1	End	1799
Name	OJ991111_11.0124.C19.o1.np	Method	AAT/NAP
Start	1	End	1685
GI	4996367	Score	433
Exons	1..91, 1041..1685		
GI Descrip.	(AB021266) polyprotein [Arabidopsis thaliana]		

Seq. No.	13122	Seq. ID	OJ991111_11.0124.C19
Gene No.	27790	Strand	+
Start	1	End	1799
Name	OJ991111_11.0124.C19.o1.gs	Method	GENSCAN
Start	1082	End	1799
GI	none	Score	.98
Exons	1082..1799		

Seq. No.	13122	Seq. ID	OJ991111_11.0124.C19
Gene No.	27791	Strand	-
Start	1869	End	2243
Name	OJ991111_11.0124.C19.o1.ts	Method	TBLASTX:Soybean
Start	1098	End	1604
GI	none	Score	349
Exons	1098..1604, 1199..1351, 1430..1561		

Seq. No.	13122	Seq. ID	OJ991111_11.0124.C19
Gene No.	27791	Strand	-
Start	1869	End	2243
Name	OJ991111_11.0124.C19.o1.tm	Method	TBLASTX:Maize
Start	1110	End	1652
GI	none	Score	187
Exons	1110..1430, 1172..1339, 1434..1652		

Seq. No.	13122	Seq. ID	OJ991111_11.0124.C19
Gene No.	27791	Strand	-
Start	1869	End	2243
Name	OJ991111_11.0124.C19.o1.tw	Method	TBLASTX:Wheat
Start	1466	End	1673
GI	none	Score	200
Exons	1466..1639, 1470..1673		

Seq. No.	13122	Seq. ID	OJ991111_11.0124.C19
Gene No.	27791	Strand	-
Start	1869	End	2243
Name	OJ991111_11.0124.C19.o2.gs	Method	GENSCAN
Start	1869	End	2243
GI	none	Score	.96
Exons	1869..2243		

Seq. No.	13123	Seq. ID	OJ991111_11.0124.C20
Gene No.	27792	Strand	+
Start	1486	End	1875
Name	OJ991111_11.0124.C20.o2.gs	Method	GENSCAN
Start	1486	End	1875
GI	none	Score	.92
Exons	1486..1498, 1694..1875		

Seq. No.	13123	Seq. ID	OJ991111_11.0124.C20
Gene No.	27793	Strand	+
Start	4078	End	5527
Name	OJ991111_11.0124.C20.o3.gs	Method	GENSCAN
Start	4078	End	5100
GI	none	Score	.68
Exons	4078..5100		

Seq. No.	13123	Seq. ID	OJ991111_11.0124.C20
Gene No.	27793	Strand	+
Start	4078	End	5527
Name	OJ991111_11.0124.C20.o1.np	Method	AAT/NAP
Start	4513	End	5527
GI	6907106	Score	405
Exons	4513..4791, 4920..5321, 5359..5527		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	13123	Seq. ID	OJ991111_11.0124.C20
Gene No.	27793	Strand	+
Start	4078	End	5527
Name	OJ991111_11.0124.C20.o1.gp	Method	AAT/GAP
Start	5014	End	5268
GI	none	Score	423
Exons	5014..5268		

Seq. No.	13123	Seq. ID	OJ991111_11.0124.C20
Gene No.	27794	Strand	-
Start	419	End	1054
Name	OJ991111_11.0124.C20.o1.gs	Method	GENSCAN
Start	419	End	1054
GI	none	Score	.71
Exons	419..740, 1005..1054		

Seq. No.	13123	Seq. ID	OJ991111_11.0124.C20
Gene No.	27795	Strand	-
Start	5044	End	7226
Name	OJ991111_11.0124.C20.o3.np	Method	AAT/NAP
Start	5044	End	7226
GI	6579210	Score	134
Exons	5044..5140, 6647..7003, 7046..7226		
GI Descrip.	(AC011438) T23G18.7 [Arabidopsis thaliana]		

Seq. No.	13123	Seq. ID	OJ991111_11.0124.C20
Gene No.	27795	Strand	-
Start	5044	End	7226
Name	OJ991111_11.0124.C20.o2.tm	Method	TBLASTX:Maize
Start	5111	End	5428

GI	none	Score	116
Exons	5111..5236, 5111..5254, 5121..5318, 5136..5318, 5298..5330, 5372..5428, 5384..5428		

Seq. No.	13123	Seq. ID	OJ991111_11.0124.C20
Gene No.	27795	Strand	-
Start	5044	End	7226
Name	OJ991111_11.0124.C20.o1.tm	Method	TBLASTX:Maize
Start	6320	End	6724
GI	none	Score	77
Exons	6320..6565, 6321..6563, 6564..6641, 6573..6707, 6575..6724		

Seq. No.	13123	Seq. ID	OJ991111_11.0124.C20
Gene No.	27795	Strand	-
Start	5044	End	7226
Name	OJ991111_11.0124.C20.o4.gs	Method	GENSCAN
Start	6320	End	7144
GI	none	Score	1
Exons	6320..7144		

Seq. No.	13123	Seq. ID	OJ991111_11.0124.C20
Gene No.	27795	Strand	-
Start	5044	End	7226
Name	OJ991111_11.0124.C20.o2.np	Method	AAT/NAP
Start	6320	End	7226
GI	2541876	Score	423
Exons	6320..7226		
GI Descrip.	(D26015) CND41, chloroplast nucleoid DNA binding protein [Nicotiana tabacum]		

Seq. No.	13123	Seq. ID	OJ991111_11.0124.C20
Gene No.	27795	Strand	-
Start	5044	End	7226
Name	OJ991111_11.0124.C20.o1.tc	Method	TBLASTX:Cress
Start	6323	End	6697
GI	none	Score	173
Exons	6323..6454, 6455..6697		

Seq. No.	13123	Seq. ID	OJ991111_11.0124.C20
Gene No.	27795	Strand	-
Start	5044	End	7226
Name	OJ991111_11.0124.C20.o1.ts	Method	TBLASTX:Soybean
Start	6323	End	7222
GI	none	Score	87
Exons	6323..6454, 6455..6700, 6456..6701, 6863..6946, 6864..6944, 6980..7105, 6990..7106, 7142..7222		

Seq. No.	13124	Seq. ID	OJ991111_11.0124.C21
Gene No.	27796	Strand	-
Start	351	End	1373
Name	OJ991111_11.0124.C21.o1.gs	Method	GENSCAN
Start	351	End	1330
GI	none	Score	.52
Exons	351..560, 1229..1330		

Seq. No.	13124	Seq. ID	OJ991111_11.0124.C21
Gene No.	27796	Strand	-

Start	351	End	1373
Name	OJ991111_11.0124.C21.o1.gp	Method	AAT/GAP
Start	376	End	1373
GI	none	Score	867
Exons	376..637, 1165..1373		

Seq. No.	13124	Seq. ID	OJ991111_11.0124.C21
Gene No.	27797	Strand	
Start	3025	End	3512
Name	OJ991111_11.0124.C21.o1.tw	Method	TBLASTX:Wheat
Start	3025	End	3464
GI	none	Score	263
Exons	3025..3321, 3027..3161, 3195..3317, 3270..3464, 3371..3463		

Seq. No.	13124	Seq. ID	OJ991111_11.0124.C21
Gene No.	27797	Strand	
Start	3025	End	3512
Name	OJ991111_11.0124.C21.o2.tm	Method	TBLASTX:Maize
Start	3148	End	3512
GI	none	Score	123
Exons	3148..3321, 3150..3317, 3342..3512, 3350..3508		

Seq. No.	13124	Seq. ID	OJ991111_11.0124.C21
Gene No.	27798	Strand	
Start	3624	End	4013
Name	OJ991111_11.0124.C21.o2.tw	Method	TBLASTX:Wheat
Start	3624	End	4013
GI	none	Score	77
Exons	3624..3800, 3837..4013, 3848..3997		

Seq. No.	13124	Seq. ID	OJ991111_11.0124.C21
Gene No.	27799	Strand	
Start	3954	End	4234
Name	OJ991111_11.0124.C21.o1.tm	Method	TBLASTX:Maize
Start	3954	End	4234
GI	none	Score	313
Exons	3954..4232, 3959..4234		

Seq. No.	13125	Seq. ID	OJ991021_17.0125.C1
Gene No.	27800	Strand	+
Start	733	End	2262
Name	OJ991021_17.0125.C1.o1.gp	Method	AAT/GAP
Start	733	End	1040
GI	2442784	Score	596
Exons	733..1040		

Seq. No.	13125	Seq. ID	OJ991021_17.0125.C1
Gene No.	27800	Strand	+
Start	733	End	2262
Name	OJ991021_17.0125.C1.o1.np	Method	AAT/NAP
Start	736	End	2259
GI	6850873	Score	915
Exons	736..957, 1042..1135, 1161..2259		
GI Descrip.	(AL132959) putative protein [Arabidopsis thaliana]		

Seq. No.	13125	Seq. ID	OJ991021_17.0125.C1
Gene No.	27800	Strand	+

Start	733	End	2262
Name	OJ991021_17.0125.C1.o1.gs	Method	GENSCAN
Start	748	End	2262
GI	none	Score	1
Exons	748..2262		

Seq. No.	13125	Seq. ID	OJ991021_17.0125.C1
Gene No.	27801	Strand	-
Start	1930	End	2548
Name	OJ991021_17.0125.C1.o1.tc	Method	TBLASTX:Cress
Start	1209	End	2274
GI	none	Score	291
Exons	1209..1454, 1243..1461, 1471..1731, 1473..1583, 1662..1724, 1696..1809, 1810..1992, 1845..1958, 1987..2274, 1989..2261		

Seq. No.	13125	Seq. ID	OJ991021_17.0125.C1
Gene No.	27801	Strand	-
Start	1930	End	2548
Name	OJ991021_17.0125.C1.o1.ts	Method	TBLASTX:Soybean
Start	1209	End	2058
GI	none	Score	294
Exons	1209..1451, 1243..1458, 1464..1502, 1465..1545, 1557..1583, 1558..1731, 1753..2058, 1845..2057		

Seq. No.	13125	Seq. ID	OJ991021_17.0125.C1
Gene No.	27801	Strand	-
Start	1930	End	2548
Name	OJ991021_17.0125.C1.o1.tm	Method	TBLASTX:Maize
Start	1264	End	1800
GI	none	Score	719
Exons	1264..1743, 1266..1586, 1594..1641, 1647..1757, 1734..1790, 1753..1800		

Seq. No.	13125	Seq. ID	OJ991021_17.0125.C1
Gene No.	27801	Strand	-
Start	1930	End	2548
Name	OJ991021_17.0125.C1.o2.tm	Method	TBLASTX:Maize
Start	1801	End	2262
GI	none	Score	61
Exons	1801..1893, 1831..1896, 1870..2262, 1875..2261		

Seq. No.	13125	Seq. ID	OJ991021_17.0125.C1
Gene No.	27801	Strand	-
Start	1930	End	2548
Name	OJ991021_17.0125.C1.o2.gp	Method	AAT/GAP
Start	1930	End	2548
GI	67814_1.R1084	Score	1126
Exons	1930..2548		
GI Descrip.	'3641868/emb|CAA09458| 1.0e-09 (AJ011012) hypothetical protein [Cicer arietinum]'		

Seq. No.	13125	Seq. ID	OJ991021_17.0125.C1
Gene No.	27801	Strand	-
Start	1930	End	2548
Name	OJ991021_17.0125.C1.o2.ts	Method	TBLASTX:Soybean
Start	2077	End	2259
GI	none	Score	194

Exons	2077..2259, 2094..2252, 2148..2216		
Seq. No.	13126	Seq. ID	OJ991021_17.0125.C2
Gene No.	27802	Strand	+
Start	1021	End	6355
Name	OJ991021_17.0125.C2.o1.gs	Method	GENSCAN
Start	1021	End	6355
GI	none	Score	.64
Exons	1021..1201, 2600..2689, 2894..3069, 4544..4860, 5104..5209, 5517..5726, 6249..6355		
Seq. No.	13126	Seq. ID	OJ991021_17.0125.C2
Gene No.	27803	Strand	+
Start	8039	End	12374
Name	OJ991021_17.0125.C2.o3.gs	Method	GENSCAN
Start	8039	End	12374
GI	none	Score	.9
Exons	8039..8126, 8226..9296, 9399..9543, 10425..10488, 11725..11793, 11839..11951, 12257..12374		
Seq. No.	13126	Seq. ID	OJ991021_17.0125.C2
Gene No.	27803	Strand	+
Start	8039	End	12374
Name	OJ991021_17.0125.C2.o1.gp	Method	AAT/GAP
Start	9223	End	11938
GI	27636_1.R1084	Score	815
Exons	9223..9296, 9399..9543, 10425..10488, 10882..10950, 11725..11793, 11874..11938		
GI Descrip.	'4263827/gb|AAD15470| 9.0e-13 (AC006067) putative receptor protein kinase [Arabidopsis thaliana]'		
Seq. No.	13126	Seq. ID	OJ991021_17.0125.C2
Gene No.	27804	Strand	+
Start	13244	End	13830
Name	OJ991021_17.0125.C2.o2.gp	Method	AAT/GAP
Start	13244	End	13830
GI	5003347	Score	1094
Exons	13244..13830		
Seq. No.	13126	Seq. ID	OJ991021_17.0125.C2
Gene No.	27805	Strand	+
Start	14409	End	14881
Name	OJ991021_17.0125.C2.o3.gp	Method	AAT/GAP
Start	14323	End	14780
GI	157_1.R1084	Score	855
Exons	14323..14780		
GI Descrip.	'3747050 5.0e-53 (AF093540) ribosomal protein L26 [Zea mays]'		
Seq. No.	13126	Seq. ID	OJ991021_17.0125.C2
Gene No.	27805	Strand	+
Start	14409	End	14881
Name	OJ991021_17.0125.C2.o1.np	Method	AAT/NAP
Start	14409	End	14770
GI	3747050	Score	567
Exons	14409..14770		
GI Descrip.	(AF093540) ribosomal protein L26 [Zea mays]		

Seq. No.	13126	Seq. ID	OJ991021_17.0125.C2
Gene No.	27805	Strand	+
Start	14409	End	14881
Name	OJ991021_17.0125.C2.o4.gs	Method	GENSCAN
Start	14409	End	14881
GI	none	Score	.67
Exons	14409..14579, 14654..14881		

Seq. No.	13126	Seq. ID	OJ991021_17.0125.C2
Gene No.	27806	Strand	-
Start	6830	End	7231
Name	OJ991021_17.0125.C2.o2.gs	Method	GENSCAN
Start	6830	End	7231
GI	none	Score	.55
Exons	6830..7231		

Seq. No.	13126	Seq. ID	OJ991021_17.0125.C2
Gene No.	27807	Strand	-
Start	14736	End	15108
Name	OJ991021_17.0125.C2.o4.gp	Method	AAT/GAP
Start	14736	End	15108
GI	60170_1.R1084	Score	624
Exons	14736..15108		
GI Descrip.	'1483177/dbj|BAA13135| 3.0e-24 (D86598) antifreeze-like protein (af70) [Picea abies]'		

Seq. No.	13126	Seq. ID	OJ991021_17.0125.C2
Gene No.	27808	Strand	-
Start	17415	End	18749
Name	OJ991021_17.0125.C2.o2.ts	Method	TBLASTX:Soybean
Start	8240	End	8560
GI	none	Score	92
Exons	8240..8335, 8314..8445, 8315..8431, 8468..8560, 8473..8559		

Seq. No.	13126	Seq. ID	OJ991021_17.0125.C2
Gene No.	27808	Strand	-
Start	17415	End	18749
Name	OJ991021_17.0125.C2.o1.tm	Method	TBLASTX:Maize
Start	8474	End	8929
GI	none	Score	567
Exons	8474..8818, 8476..8820, 8749..8820, 8815..8907, 8822..8929		

Seq. No.	13126	Seq. ID	OJ991021_17.0125.C2
Gene No.	27808	Strand	-
Start	17415	End	18749
Name	OJ991021_17.0125.C2.o1.tw	Method	TBLASTX:Wheat
Start	9461	End	12765
GI	none	Score	135
Exons	9461..9544, 9462..9536, 9463..9537, 9494..9547, 10405..10470, 10414..10500, 10425..10496, 10882..10950, 10883..10951, 11713..11790, 11715..11786, 11725..11790, 11726..11791, 11874..11951, 11875..11952, 12659..12757, 12660..12764, 12661..12765		

Seq. No.	13126	Seq. ID	OJ991021_17.0125.C2
Gene No.	27808	Strand	-
Start	17415	End	18749

Name	OJ991021_17.0125.C2.o3.tm	Method	TBLASTX:Maize
Start	10428	End	12887
GI	none	Score	82
Exons	10428..10496, 10428..10499, 10882..10941, 10883..10951, 11714..11794, 11714..11788, 11716..11793, 11872..11952, 11876..11950, 11877..11951, 11881..11952, 12660..12794, 12661..12777, 12665..12850, 12820..12867, 12822..12884, 12837..12887		

Seq. No.	13126	Seq. ID	OJ991021_17.0125.C2
Gene No.	27808	Strand	-
Start	17415	End	18749
Name	OJ991021_17.0125.C2.o2.tm	Method	TBLASTX:Maize
Start	14319	End	14881
GI	none	Score	347
Exons	14319..14612, 14384..14557, 14585..14881, 14623..14724		

Seq. No.	13126	Seq. ID	OJ991021_17.0125.C2
Gene No.	27808	Strand	-
Start	17415	End	18749
Name	OJ991021_17.0125.C2.o1.tc	Method	TBLASTX:Cress
Start	14402	End	14724
GI	none	Score	276
Exons	14402..14557, 14409..14612, 14585..14710, 14626..14724		

Seq. No.	13126	Seq. ID	OJ991021_17.0125.C2
Gene No.	27808	Strand	-
Start	17415	End	18749
Name	OJ991021_17.0125.C2.o1.ts	Method	TBLASTX:Soybean
Start	14402	End	14724
GI	none	Score	294
Exons	14402..14557, 14409..14612, 14585..14710, 14626..14724		

Seq. No.	13126	Seq. ID	OJ991021_17.0125.C2
Gene No.	27808	Strand	-
Start	17415	End	18749
Name	OJ991021_17.0125.C2.o5.gs	Method	GENSCAN
Start	17415	End	18749
GI	none	Score	.73
Exons	17415..17586, 17715..17756, 18433..18537, 18682..18749		

Seq. No.	13127	Seq. ID	OJ991021_17.0125.C3
Gene No.	27809	Strand	+
Start	6177	End	7825
Name	OJ991021_17.0125.C3.o3.gs	Method	GENSCAN
Start	6177	End	7825
GI	none	Score	.9
Exons	6177..6294, 6968..7109, 7711..7825		

Seq. No.	13127	Seq. ID	OJ991021_17.0125.C3
Gene No.	27810	Strand	+
Start	11253	End	12430
Name	OJ991021_17.0125.C3.o2.np	Method	AAT/NAP
Start	11177	End	12303
GI	3868859	Score	672
Exons	11177..11353, 11432..12303		
GI Descrip.	(AB013887) RAV2 [Arabidopsis thaliana]		

gi|6358760|gb|AAF07342.1|AC011665_1 (AC011665) putative DNA-binding protein (RAV2-like) [Arabidopsis thaliana]
gi|6524177|gb|AAF15062.1|AC011914_4 (AC011914) RAV2 [Arabidopsis thaliana]

Seq. No.	13127	Seq. ID	OJ991021_17.0125.C3
Gene No.	27810	Strand	+
Start	11253	End	12430
Name	OJ991021_17.0125.C3.o4.gs	Method	GENSCAN
Start	11253	End	12430
GI	none	Score	.46
Exons	11253..12202, 12391..12430		

Seq. No.	13127	Seq. ID	OJ991021_17.0125.C3
Gene No.	27811	Strand	+
Start	14422	End	18277
Name	OJ991021_17.0125.C3.o5.gs	Method	GENSCAN
Start	14422	End	18277
GI	none	Score	.6
Exons	14422..14534, 18127..18277		

Seq. No.	13127	Seq. ID	OJ991021_17.0125.C3
Gene No.	27812	Strand	-
Start	2747	End	4141
Name	OJ991021_17.0125.C3.o1.np	Method	AAT/NAP
Start	2716	End	4141
GI	5852084	Score	70
Exons	2716..2799, 4107..4141		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	13127	Seq. ID	OJ991021_17.0125.C3
Gene No.	27812	Strand	-
Start	2747	End	4141
Name	OJ991021_17.0125.C3.o2.gs	Method	GENSCAN
Start	2747	End	3892
GI	none	Score	.7
Exons	2747..2897, 3738..3892		

Seq. No.	13127	Seq. ID	OJ991021_17.0125.C3
Gene No.	27813	Strand	-
Start	18965	End	19302
Name	OJ991021_17.0125.C3.o1.tw	Method	TBLASTX:Wheat
Start	9255	End	9542
GI	none	Score	66
Exons	9255..9542, 9265..9465		

Seq. No.	13127	Seq. ID	OJ991021_17.0125.C3
Gene No.	27813	Strand	-
Start	18965	End	19302
Name	OJ991021_17.0125.C3.o1.tc	Method	TBLASTX:Cress
Start	11450	End	12185
GI	none	Score	202
Exons	11450..11530, 11451..11609, 11640..11738, 11666..11725, 11762..11872, 11772..11873, 11888..12106, 11889..12065, 12141..12185		

Seq. No.	13127	Seq. ID	OJ991021_17.0125.C3

Gene No.	27813	Strand	-
Start	18965	End	19302
Name	OJ991021_17.0125.C3.o1.ts	Method	TBLASTX:Soybean
Start	11450	End	12065
GI	none	Score	204
Exons	11450..11533, 11451..11624, 11640..11735, 11663..11725, 11768..11869, 11769..11867, 11886..12065, 11897..12064		

Seq. No.	13127	Seq. ID	OJ991021_17.0125.C3
Gene No.	27813	Strand	-
Start	18965	End	19302
Name	OJ991021_17.0125.C3.o1.tm	Method	TBLASTX:Maize
Start	11903	End	12068
GI	none	Score	251
Exons	11903..12067, 11904..12068		

Seq. No.	13127	Seq. ID	OJ991021_17.0125.C3
Gene No.	27813	Strand	-
Start	18965	End	19302
Name	OJ991021_17.0125.C3.o6.gs	Method	GENSCAN
Start	18965	End	19302
GI	none	Score	.66
Exons	18965..19099, 19234..19302		

Seq. No.	13128	Seq. ID	OJ991021_17.0125.C4
Gene No.	27814	Strand	+
Start	1104	End	1282
Name	OJ991021_17.0125.C4.o1.gs	Method	GENSCAN
Start	1104	End	1282
GI	none	Score	.88
Exons	1104..1149, 1263..1282		

Seq. No.	13129	Seq. ID	OJ991021_17.0125.C5
Gene No.	27815	Strand	-
Start	1	End	1240
Name	OJ991021_17.0125.C5.o1.np	Method	AAT/NAP
Start	1	End	1240
GI	6815109	Score	159
Exons	1..36, 942..1240		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	13129	Seq. ID	OJ991021_17.0125.C5
Gene No.	27815	Strand	-
Start	1	End	1240
Name	OJ991021_17.0125.C5.o2.np	Method	AAT/NAP
Start	1	End	1231
GI	6815109	Score	166
Exons	1..36, 942..1231		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	13130	Seq. ID	OJ991021_17.0125.C7
Gene No.	27816	Strand	+
Start	371	End	1776
Name	OJ991021_17.0125.C7.o1.gs	Method	GENSCAN
Start	371	End	1776
GI	none	Score	.59
Exons	371..454, 478..565, 1015..1058, 1714..1776		

Seq. No.	13130	Seq. ID	OJ991021_17.0125.C7
Gene No.	27817	Strand	-
Start	5925	End	6175
Name	OJ991021_17.0125.C7.o2.gp	Method	AAT/GAP
Start	5925	End	6175
GI	3761181	Score	429
Exons	5925..6175		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	13131	Seq. ID	OJ991021_17.0125.C8
Gene No.	27818	Strand	+
Start	10793	End	11242
Name	OJ991021_17.0125.C8.o2.gs	Method	GENSCAN
Start	10793	End	11242
GI	none	Score	.69
Exons	10793..10870, 11090..11242		

Seq. No.	13131	Seq. ID	OJ991021_17.0125.C8
Gene No.	27819	Strand	+
Start	12536	End	12887
Name	OJ991021_17.0125.C8.o3.gs	Method	GENSCAN
Start	12536	End	12887
GI	none	Score	.51
Exons	12536..12665, 12814..12887		

Seq. No.	13131	Seq. ID	OJ991021_17.0125.C8
Gene No.	27820	Strand	+
Start	18402	End	19499
Name	OJ991021_17.0125.C8.o5.gs	Method	GENSCAN
Start	18402	End	19499
GI	none	Score	.98
Exons	18402..19499		

Seq. No.	13131	Seq. ID	OJ991021_17.0125.C8
Gene No.	27820	Strand	+
Start	18402	End	19499
Name	OJ991021_17.0125.C8.o5.np	Method	AAT/NAP
Start	18423	End	19484
GI	3868857	Score	677
Exons	18423..19273, 19325..19484		
GI Descrip.	(AB013886) RAV1 [Arabidopsis thaliana]		

Seq. No.	13131	Seq. ID	OJ991021_17.0125.C8
Gene No.	27821	Strand	-
Start	177	End	11318
Name	OJ991021_17.0125.C8.o1.gs	Method	GENSCAN
Start	177	End	9629
GI	none	Score	.41
Exons	177..335, 566..4315, 4379..5790, 6153..6237, 6417..6489, 6586..9629		

Seq. No.	13131	Seq. ID	OJ991021_17.0125.C8
Gene No.	27821	Strand	-
Start	177	End	11318
Name	OJ991021_17.0125.C8.o1.np	Method	AAT/NAP

Start	590	End	7347
GI	6498441	Score	6331
Exons	590..871, 965..2362, 2534..2935, 3128..3449, 3624..3758, 3942..4315, 4379..4842, 5173..5899, 7242..7347		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	13131	Seq. ID	OJ991021_17.0125.C8
Gene No.	27821	Strand	-
Start	177	End	11318
Name	OJ991021_17.0125.C8.o2.np	Method	AAT/NAP
Start	6407	End	9629
GI	6907089	Score	3853
Exons	6407..8274, 8368..9629		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	13131	Seq. ID	OJ991021_17.0125.C8
Gene No.	27821	Strand	-
Start	177	End	11318
Name	OJ991021_17.0125.C8.o3.np	Method	AAT/NAP
Start	8846	End	11318
GI	5922623	Score	357
Exons	8846..8888, 10464..10539, 10706..10853, 11238..11318		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	13131	Seq. ID	OJ991021_17.0125.C8
Gene No.	27822	Strand	-
Start	13009	End	19379
Name	OJ991021_17.0125.C8.o6.tw	Method	TBLASTX:Wheat
Start	599	End	1201
GI	none	Score	82
Exons	599..724, 603..725, 917..1201, 918..1196		

Seq. No.	13131	Seq. ID	OJ991021_17.0125.C8
Gene No.	27822	Strand	-
Start	13009	End	19379
Name	OJ991021_17.0125.C8.o4.tw	Method	TBLASTX:Wheat
Start	1202	End	1583
GI	none	Score	165
Exons	1202..1582, 1233..1481, 1527..1583		

Seq. No.	13131	Seq. ID	OJ991021_17.0125.C8
Gene No.	27822	Strand	-
Start	13009	End	19379
Name	OJ991021_17.0125.C8.o2.tm	Method	TBLASTX:Maize
Start	1397	End	1720
GI	none	Score	183
Exons	1397..1720, 1410..1658		

Seq. No.	13131	Seq. ID	OJ991021_17.0125.C8
Gene No.	27822	Strand	-
Start	13009	End	19379
Name	OJ991021_17.0125.C8.o7.tw	Method	TBLASTX:Wheat
Start	1913	End	2225

GI	none	Score	66
Exons	1913..2173, 2049..2225		

Seq. No.	13131	Seq. ID	OJ991021_17.0125.C8
Gene No.	27822	Strand	-
Start	13009	End	19379
Name	OJ991021_17.0125.C8.o3.ts	Method	TBLASTX:Soybean
Start	1973	End	2539
GI	5666795	Score	68
Exons	1973..2173, 2228..2365, 2441..2539		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	13131	Seq. ID	OJ991021_17.0125.C8
Gene No.	27822	Strand	-
Start	13009	End	19379
Name	OJ991021_17.0125.C8.o5.tw	Method	TBLASTX:Wheat
Start	2228	End	5688
GI	none	Score	92
Exons	2228..2377, 2229..2366, 2231..2368, 2424..2600, 2438..2686, 2438..2662, 5635..5688		

Seq. No.	13131	Seq. ID	OJ991021_17.0125.C8
Gene No.	27822	Strand	-
Start	13009	End	19379
Name	OJ991021_17.0125.C8.o2.ts	Method	TBLASTX:Soybean
Start	3287	End	3658
GI	none	Score	90
Exons	3287..3658, 3498..3641		

Seq. No.	13131	Seq. ID	OJ991021_17.0125.C8
Gene No.	27822	Strand	-
Start	13009	End	19379
Name	OJ991021_17.0125.C8.o2.tw	Method	TBLASTX:Wheat
Start	3312	End	3736
GI	none	Score	328
Exons	3312..3731, 3317..3736		

Seq. No.	13131	Seq. ID	OJ991021_17.0125.C8
Gene No.	27822	Strand	-
Start	13009	End	19379
Name	OJ991021_17.0125.C8.o3.tm	Method	TBLASTX:Maize
Start	3410	End	3794
GI	none	Score	221
Exons	3410..3793, 3429..3794		

Seq. No.	13131	Seq. ID	OJ991021_17.0125.C8
Gene No.	27822	Strand	-
Start	13009	End	19379
Name	OJ991021_17.0125.C8.o1.tm	Method	TBLASTX:Maize
Start	3821	End	4177
GI	none	Score	104
Exons	3821..4054, 3821..4177, 3831..4142		

Seq. No.	13131	Seq. ID	OJ991021_17.0125.C8
Gene No.	27822	Strand	-
Start	13009	End	19379
Name	OJ991021_17.0125.C8.o1.tw	Method	TBLASTX:Wheat

Start	3845	End	4308
GI	none	Score	401
Exons	3845..4306, 3846..4307, 3865..4308		

Seq. No.	13131	Seq. ID	OJ991021_17.0125.C8
Gene No.	27822	Strand	-
Start	13009	End	19379
Name	OJ991021_17.0125.C8.o4.ts	Method	TBLASTX:Soybean
Start	3902	End	4267
GI	none	Score	120
Exons	3902..4036, 4043..4267		

Seq. No.	13131	Seq. ID	OJ991021_17.0125.C8
Gene No.	27822	Strand	-
Start	13009	End	19379
Name	OJ991021_17.0125.C8.o3.tw	Method	TBLASTX:Wheat
Start	4472	End	4958
GI	none	Score	172
Exons	4472..4957, 4476..4763, 4785..4958		

Seq. No.	13131	Seq. ID	OJ991021_17.0125.C8
Gene No.	27822	Strand	-
Start	13009	End	19379
Name	OJ991021_17.0125.C8.o4.gs	Method	GENSCAN
Start	13009	End	16596
GI	none	Score	.51
Exons	13009..13440, 13483..13923, 14780..15796, 16094..16154, 16583..16596		

Seq. No.	13131	Seq. ID	OJ991021_17.0125.C8
Gene No.	27822	Strand	-
Start	13009	End	19379
Name	OJ991021_17.0125.C8.o4.np	Method	AAT/NAP
Start	13310	End	19173
GI	5091513	Score	1583
Exons	13310..13577, 13630..13958, 14706..15773, 18604..18759, 19150..19173		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	13131	Seq. ID	OJ991021_17.0125.C8
Gene No.	27822	Strand	-
Start	13009	End	19379
Name	OJ991021_17.0125.C8.o1.gp	Method	AAT/GAP
Start	16185	End	16435
GI	3761181	Score	425
Exons	16185..16435		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	13131	Seq. ID	OJ991021_17.0125.C8
Gene No.	27822	Strand	-
Start	13009	End	19379
Name	OJ991021_17.0125.C8.o1.tc	Method	TBLASTX:Cress
Start	18603	End	19379
GI	none	Score	180
Exons	18603..18767, 18605..18685, 18825..18866, 18828..18863, 18932..19030, 18933..19031, 19076..19228, 19077..19238,		

19101..19238, 19353..19379

Seq. No.	13131	Seq. ID	OJ991021_17.0125.C8
Gene No.	27822	Strand	-
Start	13009	End	19379
Name	OJ991021_17.0125.C8.o1.ts	Method	TBLASTX:Soybean
Start	18603	End	19379
GI	none	Score	178
Exons	18603..18767, 18605..18688, 18824..18853, 18825..18926, 18929..19030, 18930..19034, 19077..19238, 19079..19237, 19253..19285, 19350..19379		

Seq. No.	13131	Seq. ID	OJ991021_17.0125.C8
Gene No.	27822	Strand	-
Start	13009	End	19379
Name	OJ991021_17.0125.C8.o4.tm	Method	TBLASTX:Maize
Start	19076	End	19241
GI	none	Score	252
Exons	19076..19240, 19077..19241		

Seq. No.	13132	Seq. ID	OJ991021_17.0125.C9
Gene No.	27823	Strand	+
Start	73	End	801
Name	OJ991021_17.0125.C9.o1.gs	Method	GENSCAN
Start	73	End	801
GI	none	Score	1
Exons	73..222, 262..801		

Seq. No.	13132	Seq. ID	OJ991021_17.0125.C9
Gene No.	27824	Strand	-
Start	8	End	732
Name	OJ991021_17.0125.C9.o1.np	Method	AAT/NAP
Start	8	End	732
GI	5091512	Score	923
Exons	8..513, 554..732		
GI Descrip.	(AB023482) Similar to Plasmodium vivax circumsporozoite protein gene, complete cds.(M11926) [Oryza sativa]		

Seq. No.	13133	Seq. ID	OJ991021_17.0125.C10
Gene No.	27825	Strand	+
Start	1	End	1939
Name	OJ991021_17.0125.C10.o1.np	Method	AAT/NAP
Start	1	End	1675
GI	6649217	Score	722
Exons	1..86, 801..869, 970..1044, 1132..1230, 1315..1470, 1553..1675		
GI Descrip.	(AF165422) suppressor of K+ transport growth defect-like protein [Mesembryanthemum crystallinum]		

Seq. No.	13133	Seq. ID	OJ991021_17.0125.C10
Gene No.	27825	Strand	+
Start	1	End	1939
Name	OJ991021_17.0125.C10.o1.tm	Method	TBLASTX:Maize
Start	49	End	1939
GI	none	Score	64
Exons	49..114, 50..85, 786..869, 800..886, 800..868, 961..1047, 968..1045, 969..1046, 1107..1232, 1111..1230, 1129..1233, 1130..1231, 1131..1244, 1277..1468, 1314..1499, 1315..1497,		

1549..1677, 1550..1681, 1553..1678, 1690..1797, 1691..1732,
1692..1733, 1721..1801, 1725..1805, 1731..1805, 1805..1858,
1812..1862, 1881..1913, 1882..1899, 1909..1938, 1910..1939

Seq. No.	13133	Seq. ID	OJ991021_17.0125.C10
Gene No.	27825	Strand	+
Start	1	End	1939
Name	OJ991021_17.0125.C10.o1.tc	Method	TBLASTX:Cress
Start	786	End	1678
GI	none	Score	130
Exons	786..869, 800..871, 800..865, 961..1047, 966..1046, 1129..1233, 1131..1244, 1314..1475, 1315..1473, 1540..1623, 1549..1677, 1553..1678		

Seq. No.	13133	Seq. ID	OJ991021_17.0125.C10
Gene No.	27825	Strand	+
Start	1	End	1939
Name	OJ991021_17.0125.C10.o1.ts	Method	TBLASTX:Soybean
Start	786	End	1678
GI	none	Score	128
Exons	786..869, 800..868, 961..1047, 969..1049, 1105..1233, 1107..1235, 1131..1244, 1314..1463, 1315..1497, 1552..1674, 1553..1678		

Seq. No.	13133	Seq. ID	OJ991021_17.0125.C10
Gene No.	27825	Strand	+
Start	1	End	1939
Name	OJ991021_17.0125.C10.o1.gs	Method	GENSCAN
Start	865	End	1678
GI	none	Score	.83
Exons	865..1044, 1132..1230, 1315..1470, 1553..1678		

Seq. No.	13133	Seq. ID	OJ991021_17.0125.C10
Gene No.	27825	Strand	+
Start	1	End	1939
Name	OJ991021_17.0125.C10.o1.gp	Method	AAT/GAP
Start	1426	End	1918
GI	uC-osf1M202069g03a1	Score	802
Exons	1426..1470, 1553..1918		
GI Descrip.	'3860272 8.0e-22 (AC005824) putative suppressor protein [Arabidopsis thaliana] >gi_4314399_gb_AAD15609_ (AC006232) putative skd1 protein [Arabidopsis thaliana]'		

Seq. No.	13134	Seq. ID	OJ991021_17.0125.C11
Gene No.	27826	Strand	-
Start	67	End	126
Name	OJ991021_17.0125.C11.o1.gs	Method	GENSCAN
Start	67	End	126
GI	none	Score	.77
Exons	67..126		

Seq. No.	13135	Seq. ID	OJ991021_17.0125.C14
Gene No.	27827	Strand	+
Start	180	End	257
Name	OJ991021_17.0125.C14.o1.gs	Method	GENSCAN
Start	180	End	257
GI	none	Score	.88

Exons	180..257		
Seq. No.	13135	Seq. ID	OJ991021_17.0125.C14
Gene No.	27828	Strand	-
Start	1	End	671
Name	OJ991021_17.0125.C14.o1.np	Method	AAT/NAP
Start	1	End	671
GI	5922623	Score	169
Exons	1..242, 593..671		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	13136	Seq. ID	OJ991021_17.0125.C15
Gene No.	27829	Strand	+
Start	78	End	144
Name	OJ991021_17.0125.C15.o1.gs	Method	GENSCAN
Start	78	End	144
GI	none	Score	.73
Exons	78..144		
Seq. No.	13137	Seq. ID	OJ991021_17.0125.C17
Gene No.	27830	Strand	-
Start	1	End	622
Name	OJ991021_17.0125.C17.o1.np	Method	AAT/NAP
Start	1	End	622
GI	5091513	Score	698
Exons	1..622		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	13137	Seq. ID	OJ991021_17.0125.C17
Gene No.	27830	Strand	-
Start	1	End	622
Name	OJ991021_17.0125.C17.o1.gs	Method	GENSCAN
Start	55	End	611
GI	none	Score	.97
Exons	55..611		
Seq. No.	13138	Seq. ID	OJ991021_17.0125.C18
Gene No.	27831	Strand	-
Start	405	End	471
Name	OJ991021_17.0125.C18.o1.gs	Method	GENSCAN
Start	405	End	471
GI	none	Score	.64
Exons	405..471		
Seq. No.	13139	Seq. ID	OJ991021_17.0125.C19
Gene No.	27832	Strand	-
Start	49	End	185
Name	OJ991021_17.0125.C19.o1.gs	Method	GENSCAN
Start	49	End	185
GI	none	Score	.78
Exons	49..185		
Seq. No.	13140	Seq. ID	OJ991011_16.0125.C1
Gene No.	27833	Strand	+
Start	7171	End	7587

Name	OJ991011_16.0125.C1.o2.gp	Method	AAT/GAP
Start	7171	End	7587
GI	uC-osflcyp018b04b2	Score	806
Exons	7171..7587		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	13140	Seq. ID	OJ991011_16.0125.C1
Gene No.	27834	Strand	+
Start	8518	End	14823
Name	OJ991011_16.0125.C1.o3.np	Method	AAT/NAP
Start	8518	End	14657
GI	4539427	Score	268
Exons	8518..8560, 11004..11052, 11627..11665, 11874..11930, 12153..12222, 13262..13385, 14175..14214, 14583..14657		
GI Descrip.	(AL049171) putative protein [Arabidopsis thaliana]		

Seq. No.	13140	Seq. ID	OJ991011_16.0125.C1
Gene No.	27834	Strand	+
Start	8518	End	14823
Name	OJ991011_16.0125.C1.o3.gs	Method	GENSCAN
Start	10849	End	14823
GI	none	Score	.67
Exons	10849..11052, 11627..11657, 11880..11907, 12710..12777, 13262..13385, 14175..14214, 14583..14650, 14817..14823		

Seq. No.	13140	Seq. ID	OJ991011_16.0125.C1
Gene No.	27835	Strand	+
Start	26273	End	28802
Name	OJ991011_16.0125.C1.o6.gs	Method	GENSCAN
Start	26273	End	28325
GI	none	Score	.59
Exons	26273..26371, 26934..27046, 27519..27634, 27657..27845, 27960..28042, 28185..28325		

Seq. No.	13140	Seq. ID	OJ991011_16.0125.C1
Gene No.	27835	Strand	+
Start	26273	End	28802
Name	OJ991011_16.0125.C1.o5.np	Method	AAT/NAP
Start	27492	End	28802
GI	6907088	Score	557
Exons	27492..27629, 27805..28042, 28541..28802		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	13140	Seq. ID	OJ991011_16.0125.C1
Gene No.	27835	Strand	+
Start	26273	End	28802
Name	OJ991011_16.0125.C1.o4.gp	Method	AAT/GAP
Start	28303	End	28494
GI	5667165	Score	356
Exons	28303..28494		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	13140	Seq. ID	OJ991011_16.0125.C1
Gene No.	27836	Strand	-
Start	168	End	6034

Name	OJ991011_16.0125.C1.o1.gs	Method	GENSCAN
Start	168	End	5913
GI	none	Score	.63
Exons	168..257, 736..921, 1017..1140, 1316..1526, 4897..4960, 5012..5137, 5242..5913		

Seq. No.	13140	Seq. ID	OJ991011_16.0125.C1
Gene No.	27836	Strand	-
Start	168	End	6034
Name	OJ991011_16.0125.C1.o1.np	Method	AAT/NAP
Start	4847	End	5390
GI	6006855	Score	161
Exons	4847..4963, 5242..5390		
GI Descrip.	(AC009540) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13140	Seq. ID	OJ991011_16.0125.C1
Gene No.	27836	Strand	-
Start	168	End	6034
Name	OJ991011_16.0125.C1.o1.gp	Method	AAT/GAP
Start	5295	End	6034
GI	25415_1.R1084	Score	1206
Exons	5295..5696, 5796..6034		
GI Descrip.	'4049348/emb|CAA22573.1| 5.0e-30 (AL034567) putative protein [Arabidopsis thaliana]'		

Seq. No.	13140	Seq. ID	OJ991011_16.0125.C1
Gene No.	27837	Strand	-
Start	7410	End	9907
Name	OJ991011_16.0125.C1.o2.gs	Method	GENSCAN
Start	7410	End	9907
GI	none	Score	.88
Exons	7410..7825, 8214..8338, 8447..8628, 9725..9907		

Seq. No.	13140	Seq. ID	OJ991011_16.0125.C1
Gene No.	27837	Strand	-
Start	7410	End	9907
Name	OJ991011_16.0125.C1.o2.np	Method	AAT/NAP
Start	7416	End	9899
GI	6006856	Score	398
Exons	7416..7908, 8212..8338, 8447..8628, 9725..9899		
GI Descrip.	(AC009540) unknown protein [Arabidopsis thaliana]		

Seq. No.	13140	Seq. ID	OJ991011_16.0125.C1
Gene No.	27838	Strand	-
Start	15640	End	23291
Name	OJ991011_16.0125.C1.o4.gs	Method	GENSCAN
Start	15640	End	22219
GI	none	Score	.59
Exons	15640..15832, 15977..16173, 16318..16521, 17167..17321, 18535..18621, 19851..19912, 20470..20663, 20845..20985, 21260..21409, 21459..21662, 21692..21817, 22025..22219		

Seq. No.	13140	Seq. ID	OJ991011_16.0125.C1
Gene No.	27838	Strand	-
Start	15640	End	23291
Name	OJ991011_16.0125.C1.o4.np	Method	AAT/NAP
Start	15643	End	23291

GI	4914457	Score	833
Exons	15643..15870, 15977..16173, 16318..16506, 17141..17318, 20424..20720, 20750..21017, 21980..22133, 23197..23291		
GI Descrip.	(AL050400) putative protein [Arabidopsis thaliana]		

Seq. No.	13140	Seq. ID	OJ991011_16.0125.C1
Gene No.	27839	Strand	-
Start	24735	End	25325
Name	OJ991011_16.0125.C1.o5.gs	Method	GENSCAN
Start	24735	End	25325
GI	none	Score	.76
Exons	24735..24986, 25317..25325		

Seq. No.	13140	Seq. ID	OJ991011_16.0125.C1
Gene No.	27840	Strand	-
Start	26635	End	27150
Name	OJ991011_16.0125.C1.o3.tw	Method	TBLASTX:Wheat
Start	5706	End	6075
GI	none	Score	44
Exons	5706..5735, 5707..5733, 5709..5786, 5719..5793, 5734..5787, 5820..5897, 5822..5911, 5823..5894, 5824..5895, 5996..6070, 6013..6075, 6014..6067		

Seq. No.	13140	Seq. ID	OJ991011_16.0125.C1
Gene No.	27840	Strand	-
Start	26635	End	27150
Name	OJ991011_16.0125.C1.o1.tm	Method	TBLASTX:Maize
Start	7214	End	9802
GI	none	Score	46
Exons	7214..7249, 7220..7249, 7240..7284, 7253..7288, 7260..7289, 7401..7832, 7403..7621, 7410..7826, 7567..7833, 7694..7831, 8212..8340, 8213..8353, 8447..8629, 8449..8634, 8458..8634, 9722..9802, 9723..9794		

Seq. No.	13140	Seq. ID	OJ991011_16.0125.C1
Gene No.	27840	Strand	-
Start	26635	End	27150
Name	OJ991011_16.0125.C1.o2.ts	Method	TBLASTX:Soybean
Start	7419	End	8571
GI	none	Score	93
Exons	7419..7466, 7461..7511, 8201..8341, 8203..8340, 8447..8569, 8449..8571		

Seq. No.	13140	Seq. ID	OJ991011_16.0125.C1
Gene No.	27840	Strand	-
Start	26635	End	27150
Name	OJ991011_16.0125.C1.o2.tc	Method	TBLASTX:Cress
Start	8281	End	8634
GI	none	Score	83
Exons	8281..8340, 8449..8634, 8450..8572		

Seq. No.	13140	Seq. ID	OJ991011_16.0125.C1
Gene No.	27840	Strand	-
Start	26635	End	27150
Name	OJ991011_16.0125.C1.o2.tw	Method	TBLASTX:Wheat
Start	15640	End	16017
GI	none	Score	94

Exons	15640..15720, 15640..15717, 15718..15888, 15723..15887, 15974..16015, 15976..16017		
Seq. No.	13140	Seq. ID	OJ991011_16.0125.C1
Gene No.	27840	Strand	-
Start	26635	End	27150
Name	OJ991011_16.0125.C1.o4.tm	Method	TBLASTX:Maize
Start	15793	End	16488
GI	none	Score	95
Exons	15793..15873, 15795..15887, 15948..16022, 15974..16015, 16041..16151, 16041..16151, 16042..16152, 16042..16176, 16043..16174, 16327..16416, 16327..16401, 16405..16488, 16426..16470		
Seq. No.	13140	Seq. ID	OJ991011_16.0125.C1
Gene No.	27840	Strand	-
Start	26635	End	27150
Name	OJ991011_16.0125.C1.o4.tw	Method	TBLASTX:Wheat
Start	16081	End	17229
GI	none	Score	80
Exons	16081..16176, 16082..16174, 16325..16462, 16326..16463, 16326..16475, 16327..16488, 16328..16489, 17185..17229		
Seq. No.	13140	Seq. ID	OJ991011_16.0125.C1
Gene No.	27840	Strand	-
Start	26635	End	27150
Name	OJ991011_16.0125.C1.o1.tw	Method	TBLASTX:Wheat
Start	17949	End	18311
GI	none	Score	82
Exons	17949..18311, 17950..18051		
Seq. No.	13140	Seq. ID	OJ991011_16.0125.C1
Gene No.	27840	Strand	-
Start	26635	End	27150
Name	OJ991011_16.0125.C1.o3.tm	Method	TBLASTX:Maize
Start	18042	End	18383
GI	none	Score	158
Exons	18042..18119, 18141..18383		
Seq. No.	13140	Seq. ID	OJ991011_16.0125.C1
Gene No.	27840	Strand	-
Start	26635	End	27150
Name	OJ991011_16.0125.C1.o1.ts	Method	TBLASTX:Soybean
Start	18539	End	20888
GI	none	Score	101
Exons	18539..18601, 20499..20663, 20551..20664, 20757..20882, 20763..20888, 20764..20886		
Seq. No.	13140	Seq. ID	OJ991011_16.0125.C1
Gene No.	27840	Strand	-
Start	26635	End	27150
Name	OJ991011_16.0125.C1.o2.tm	Method	TBLASTX:Maize
Start	18554	End	20835
GI	none	Score	36
Exons	18554..18601, 20467..20502, 20469..20519, 20514..20606, 20514..20663, 20548..20664, 20548..20667, 20591..20668, 20763..20834, 20763..20834, 20764..20835		

Seq. No.	13140	Seq. ID	OJ991011_16.0125.C1
Gene No.	27840	Strand	-
Start	26635	End	27150
Name	OJ991011_16.0125.C1.o1.tc	Method	TBLASTX:Cress
Start	20769	End	20927
GI	none	Score	75
Exons	20769..20927, 20770..20901		

Seq. No.	13140	Seq. ID	OJ991011_16.0125.C1
Gene No.	27840	Strand	-
Start	26635	End	27150
Name	OJ991011_16.0125.C1.o3.gp	Method	AAT/GAP
Start	26635	End	27150
GI	38782_1.R1084	Score	809
Exons	26635..27150		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	13141	Seq. ID	OJ991011_16.0125.C2
Gene No.	27841	Strand	+
Start	1	End	3143
Name	OJ991011_16.0125.C2.o1.np	Method	AAT/NAP
Start	1	End	3143
GI	4586028	Score	1265
Exons	1..100, 393..1718, 2112..3143		
GI Descrip.	(AC007109) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	13141	Seq. ID	OJ991011_16.0125.C2
Gene No.	27841	Strand	+
Start	1	End	3143
Name	OJ991011_16.0125.C2.o1.gs	Method	GENSCAN
Start	167	End	2823
GI	none	Score	.55
Exons	167..265, 289..439, 680..886, 1193..2031, 2395..2536, 2555..2676, 2728..2823		

Seq. No.	13141	Seq. ID	OJ991011_16.0125.C2
Gene No.	27841	Strand	+
Start	1	End	3143
Name	OJ991011_16.0125.C2.o4.tm	Method	TBLASTX:Maize
Start	402	End	633
GI	none	Score	167
Exons	402..632, 402..632, 403..633		

Seq. No.	13141	Seq. ID	OJ991011_16.0125.C2
Gene No.	27841	Strand	+
Start	1	End	3143
Name	OJ991011_16.0125.C2.o1.tm	Method	TBLASTX:Maize
Start	735	End	1188
GI	none	Score	364
Exons	735..1103, 745..1104, 880..1104, 1101..1187, 1103..1174, 1108..1188, 1108..1188		

Seq. No.	13141	Seq. ID	OJ991011_16.0125.C2
Gene No.	27841	Strand	+

Start	1	End	3143
Name	OJ991011_16.0125.C2.o2.ts	Method	TBLASTX:Soybean
Start	979	End	1440
GI	none	Score	43
Exons	979..1008, 1038..1124, 1039..1125, 1135..1440, 1173..1439		

Seq. No.	13141	Seq. ID	OJ991011_16.0125.C2
Gene No.	27841	Strand	+
Start	1	End	3143
Name	OJ991011_16.0125.C2.o2.tw	Method	TBLASTX:Wheat
Start	1048	End	1704
GI	none	Score	316
Exons	1048..1482, 1113..1454, 1498..1587, 1582..1704		

Seq. No.	13141	Seq. ID	OJ991011_16.0125.C2
Gene No.	27841	Strand	+
Start	1	End	3143
Name	OJ991011_16.0125.C2.o3.tm	Method	TBLASTX:Maize
Start	1195	End	1770
GI	none	Score	324
Exons	1195..1770, 1218..1469		

Seq. No.	13141	Seq. ID	OJ991011_16.0125.C2
Gene No.	27841	Strand	+
Start	1	End	3143
Name	OJ991011_16.0125.C2.o2.tc	Method	TBLASTX:Cress
Start	1276	End	1719
GI	none	Score	213
Exons	1276..1524, 1278..1565, 1546..1719		

Seq. No.	13141	Seq. ID	OJ991011_16.0125.C2
Gene No.	27841	Strand	+
Start	1	End	3143
Name	OJ991011_16.0125.C2.o3.ts	Method	TBLASTX:Soybean
Start	1585	End	1740
GI	none	Score	184
Exons	1585..1740, 1593..1664		

Seq. No.	13141	Seq. ID	OJ991011_16.0125.C2
Gene No.	27841	Strand	+
Start	1	End	3143
Name	OJ991011_16.0125.C2.o1.ts	Method	TBLASTX:Soybean
Start	2406	End	2886
GI	5509260	Score	398
Exons	2406..2663, 2407..2886, 2730..2882		
GI Descrip.	-		

Seq. No.	13141	Seq. ID	OJ991011_16.0125.C2
Gene No.	27841	Strand	+
Start	1	End	3143
Name	OJ991011_16.0125.C2.o1.tc	Method	TBLASTX:Cress
Start	2514	End	2790
GI	none	Score	295
Exons	2514..2789, 2515..2790		

Seq. No.	13141	Seq. ID	OJ991011_16.0125.C2
Gene No.	27841	Strand	+

Start	1	End	3143
Name	OJ991011_16.0125.C2.o1.tw	Method	TBLASTX:Wheat
Start	2571	End	3117
GI	none	Score	290
Exons	2571..2663, 2572..2916, 2730..2870, 2908..3117, 2986..3111		

Seq. No.	13141	Seq. ID	OJ991011_16.0125.C2
Gene No.	27841	Strand	+
Start	1	End	3143
Name	OJ991011_16.0125.C2.o2.tm	Method	TBLASTX:Maize
Start	2571	End	3003
GI	none	Score	349
Exons	2571..2663, 2572..3003, 2725..2877, 2730..2891		

Seq. No.	13142	Seq. ID	OJ991011_16.0125.C3
Gene No.	27842	Strand	+
Start	1	End	857
Name	OJ991011_16.0125.C3.o1.np	Method	AAT/NAP
Start	1	End	857
GI	421955	Score	727
Exons	1..857		
GI Descrip.	hypothetical protein 4 - potato transposon Tst1 gi|21434|emb|CAA36616| (X52387) ORF4 [Solanum tuberosum]		

Seq. No.	13142	Seq. ID	OJ991011_16.0125.C3
Gene No.	27843	Strand	+
Start	6102	End	6974
Name	OJ991011_16.0125.C3.o2.np	Method	AAT/NAP
Start	6102	End	6974
GI	5932548	Score	892
Exons	6102..6974		
GI Descrip.	(AC009465) unknown protein [Arabidopsis thaliana]		

Seq. No.	13142	Seq. ID	OJ991011_16.0125.C3
Gene No.	27844	Strand	+
Start	10740	End	11468
Name	OJ991011_16.0125.C3.o2.gp	Method	AAT/GAP
Start	10740	End	11468
GI	none	Score	1031
Exons	10740..10859, 11030..11468		

Seq. No.	13142	Seq. ID	OJ991011_16.0125.C3
Gene No.	27845	Strand	+
Start	12314	End	14335
Name	OJ991011_16.0125.C3.o3.gp	Method	AAT/GAP
Start	12314	End	14335
GI	6756_2.R1084	Score	1351
Exons	12314..12502, 12629..12786, 13282..13329, 14006..14335		
GI Descrip.	'1351357/sp|P48502|UCR6_SOLTU 5.0e-43 UBIQUINOL-CYTOCHROME C REDUCTASE COMPLEX 14 KD PROTEIN (CR14) >gi_633681_emb_CAA55863_ (X79276) ubiquinol--cytochrome c reductase [Solanum tuberosum]'		

Seq. No.	13142	Seq. ID	OJ991011_16.0125.C3
Gene No.	27845	Strand	+
Start	12314	End	14335
Name	OJ991011_16.0125.C3.o3.np	Method	AAT/NAP
Start	12406	End	14071

GI	1351357	Score	383
Exons	12406..12502, 12629..12786, 13282..13329, 14006..14071		
GI Descrip.	UBIQUINOL-CYTOCHROME C REDUCTASE COMPLEX 14 KD PROTEIN (CR14) gi|633681|emb|CAA55863| (X79276) ubiquinol--cytochrome c reductase [Solanum tuberosum]		

Seq. No.	13142	Seq. ID	OJ991011_16.0125.C3
Gene No.	27846	Strand	+
Start	15950	End	16321
Name	OJ991011_16.0125.C3.o2.tw	Method	TBLASTX:Wheat
Start	29	End	439
GI	none	Score	88
Exons	29..196, 66..146, 202..378, 206..439		

Seq. No.	13142	Seq. ID	OJ991011_16.0125.C3
Gene No.	27846	Strand	+
Start	15950	End	16321
Name	OJ991011_16.0125.C3.o2.tm	Method	TBLASTX:Maize
Start	209	End	871
GI	none	Score	338
Exons	209..616, 232..420, 463..564, 637..813, 641..871		

Seq. No.	13142	Seq. ID	OJ991011_16.0125.C3
Gene No.	27846	Strand	+
Start	15950	End	16321
Name	OJ991011_16.0125.C3.o2.tc	Method	TBLASTX:Cress
Start	218	End	873
GI	none	Score	110
Exons	218..391, 398..490, 490..615, 491..616, 647..868, 655..873		

Seq. No.	13142	Seq. ID	OJ991011_16.0125.C3
Gene No.	27846	Strand	+
Start	15950	End	16321
Name	OJ991011_16.0125.C3.o1.ts	Method	TBLASTX:Soybean
Start	227	End	922
GI	none	Score	670
Exons	227..901, 227..382, 229..747, 836..922		

Seq. No.	13142	Seq. ID	OJ991011_16.0125.C3
Gene No.	27846	Strand	+
Start	15950	End	16321
Name	OJ991011_16.0125.C3.o2.ts	Method	TBLASTX:Soybean
Start	6099	End	6512
GI	none	Score	58
Exons	6099..6146, 6101..6139, 6191..6352, 6192..6512, 6195..6503		

Seq. No.	13142	Seq. ID	OJ991011_16.0125.C3
Gene No.	27846	Strand	+
Start	15950	End	16321
Name	OJ991011_16.0125.C3.o3.tm	Method	TBLASTX:Maize
Start	6191	End	6683
GI	none	Score	48
Exons	6191..6286, 6323..6541, 6324..6683, 6324..6419, 6465..6683		

Seq. No.	13142	Seq. ID	OJ991011_16.0125.C3
Gene No.	27846	Strand	+
Start	15950	End	16321

Name	OJ991011_16.0125.C3.o3.ts	Method	TBLASTX:Soybean
Start	6617	End	6973
GI	none	Score	357
Exons	6617..6886, 6618..6884, 6894..6968, 6926..6973		

Seq. No.	13142	Seq. ID	OJ991011_16.0125.C3
Gene No.	27846	Strand	+
Start	15950	End	16321
Name	OJ991011_16.0125.C3.o1.tc	Method	TBLASTX:Cress
Start	6618	End	6992
GI	none	Score	57
Exons	6618..6674, 6623..6673, 6678..6842, 6686..6841, 6834..6992, 6935..6976		

Seq. No.	13142	Seq. ID	OJ991011_16.0125.C3
Gene No.	27846	Strand	+
Start	15950	End	16321
Name	OJ991011_16.0125.C3.o1.tm	Method	TBLASTX:Maize
Start	6684	End	7102
GI	none	Score	365
Exons	6684..6899, 6684..6896, 6685..6909, 6686..6898, 6893..6976, 6897..6977, 6902..6976, 6934..7020, 6983..7021, 7037..7087, 7037..7102, 7042..7098		

Seq. No.	13142	Seq. ID	OJ991011_16.0125.C3
Gene No.	27846	Strand	+
Start	15950	End	16321
Name	OJ991011_16.0125.C3.o1.tw	Method	TBLASTX:Wheat
Start	6792	End	7000
GI	none	Score	85
Exons	6792..6845, 6792..6836, 6794..6844, 6831..6986, 6833..6988, 6833..7000, 6834..6989		

Seq. No.	13142	Seq. ID	OJ991011_16.0125.C3
Gene No.	27846	Strand	+
Start	15950	End	16321
Name	OJ991011_16.0125.C3.o4.tm	Method	TBLASTX:Maize
Start	12378	End	12732
GI	none	Score	124
Exons	12378..12560, 12379..12480, 12473..12502, 12628..12732, 12628..12732		

Seq. No.	13142	Seq. ID	OJ991011_16.0125.C3
Gene No.	27846	Strand	+
Start	15950	End	16321
Name	OJ991011_16.0125.C3.o4.ts	Method	TBLASTX:Soybean
Start	12409	End	14074
GI	none	Score	85
Exons	12409..12504, 12627..12776, 12628..12801, 12631..12786, 13279..13332, 13997..14074		

Seq. No.	13142	Seq. ID	OJ991011_16.0125.C3
Gene No.	27846	Strand	+
Start	15950	End	16321
Name	OJ991011_16.0125.C3.o3.tc	Method	TBLASTX:Cress
Start	12448	End	14083
GI	none	Score	73

Exons	12448..12504, 12628..12801, 12631..12786, 13279..13332, 13997..14083		
Seq. No.	13142	Seq. ID	OJ991011_16.0125.C3
Gene No.	27846	Strand	+
Start	15950	End	16321
Name	OJ991011_16.0125.C3.o2.gs	Method	GENSCAN
Start	15950	End	16321
GI	none	Score	.65
Exons	15950..16048, 16202..16321		
Seq. No.	13143	Seq. ID	OJ991111_18.0127.C1
Gene No.	27847	Strand	-
Start	869	End	2282
Name	OJ991111_18.0127.C1.o1.gs	Method	GENSCAN
Start	869	End	2282
GI	none	Score	.63
Exons	869..972, 989..1122, 1847..2005, 2233..2282		
Seq. No.	13144	Seq. ID	OJ991111_18.0127.C2
Gene No.	27848	Strand	+
Start	6390	End	6810
Name	OJ991111_18.0127.C2.o2.gs	Method	GENSCAN
Start	6390	End	6810
GI	none	Score	.55
Exons	6390..6617, 6700..6810		
Seq. No.	13144	Seq. ID	OJ991111_18.0127.C2
Gene No.	27849	Strand	-
Start	2887	End	3472
Name	OJ991111_18.0127.C2.o1.gp	Method	AAT/GAP
Start	2887	End	3472
GI	4715767	Score	136
Exons	2887..2906, 3396..3472		
GI Descrip.	6006355/dbj|AP000559.1|AP000559 1.0e-17 Oryza sativa genomic DNA, chromosome 6, clone:P0493C11		
Seq. No.	13145	Seq. ID	OJ991111_18.0127.C3
Gene No.	27850	Strand	+
Start	2066	End	2462
Name	OJ991111_18.0127.C3.o1.gs	Method	GENSCAN
Start	2066	End	2462
GI	none	Score	.44
Exons	2066..2272, 2344..2462		
Seq. No.	13145	Seq. ID	OJ991111_18.0127.C3
Gene No.	27851	Strand	+
Start	3861	End	8032
Name	OJ991111_18.0127.C3.o1.np	Method	AAT/NAP
Start	3861	End	7888
GI	5921933	Score	1332
Exons	3861..3913, 4359..4499, 5279..5612, 6453..6602, 6696..6944, 7035..7121, 7210..7288, 7382..7488, 7589..7713, 7804..7888		
GI Descrip.	CYTOCHROME P450 85 (DWARF PROTEIN) gi|1421741 (U54770) cytochrome P450 homolog [Lycopersicon esculentum]		
Seq. No.	13145	Seq. ID	OJ991111_18.0127.C3

Gene No.	27851	Strand	+
Start	3861	End	8032
Name	OJ991111_18.0127.C3.o2.gs	Method	GENSCAN
Start	4309	End	7891
GI	none	Score	.9
Exons	4309..4499, 5130..5328, 5526..5612, 6453..6602, 6696..6944, 7035..7121, 7210..7288, 7382..7488, 7589..7713, 7804..7891		

Seq. No.	13145	Seq. ID	OJ991111_18.0127.C3
Gene No.	27851	Strand	+
Start	3861	End	8032
Name	OJ991111_18.0127.C3.o2.ts	Method	TBLASTX:Soybean
Start	4372	End	5360
GI	none	Score	49
Exons	4372..4401, 4396..4521, 4398..4502, 5277..5360		

Seq. No.	13145	Seq. ID	OJ991111_18.0127.C3
Gene No.	27851	Strand	+
Start	3861	End	8032
Name	OJ991111_18.0127.C3.o2.tc	Method	TBLASTX:Cress
Start	4396	End	5561
GI	none	Score	72
Exons	4396..4461, 5265..5561		

Seq. No.	13145	Seq. ID	OJ991111_18.0127.C3
Gene No.	27851	Strand	+
Start	3861	End	8032
Name	OJ991111_18.0127.C3.o1.tm	Method	TBLASTX:Maize
Start	6450	End	6911
GI	none	Score	145
Exons	6450..6602, 6452..6607, 6560..6604, 6693..6833, 6702..6911, 6776..6910		

Seq. No.	13145	Seq. ID	OJ991111_18.0127.C3
Gene No.	27851	Strand	+
Start	3861	End	8032
Name	OJ991111_18.0127.C3.o1.ts	Method	TBLASTX:Soybean
Start	6693	End	6950
GI	none	Score	73
Exons	6693..6788, 6702..6944, 6776..6943, 6822..6950		

Seq. No.	13145	Seq. ID	OJ991111_18.0127.C3
Gene No.	27851	Strand	+
Start	3861	End	8032
Name	OJ991111_18.0127.C3.o1.gp	Method	AAT/GAP
Start	6790	End	7627
GI	29331_1.R1084	Score	846
Exons	6790..6944, 7035..7121, 7210..7288, 7382..7488, 7589..7627		
GI Descrip.	'1781115/emb|CAB06224| 9.0e-10 (Z83864) glpQ1 [Mycobacterium tuberculosis]'		

Seq. No.	13145	Seq. ID	OJ991111_18.0127.C3
Gene No.	27851	Strand	+
Start	3861	End	8032
Name	OJ991111_18.0127.C3.o1.tc	Method	TBLASTX:Cress
Start	6843	End	7879
GI	none	Score	62

Exons	6843..6941, 7029..7124, 7041..7124, 7198..7290, 7200..7289, 7369..7488, 7380..7484, 7589..7717, 7591..7719, 7802..7879		
Seq. No.	13145	Seq. ID	OJ991111_18.0127.C3
Gene No.	27851	Strand	+
Start	3861	End	8032
Name	OJ991111_18.0127.C3.o2.tm	Method	TBLASTX:Maize
Start	7228	End	7891
GI	none	Score	85
Exons	7228..7290, 7230..7289, 7375..7446, 7380..7448, 7595..7696, 7600..7689, 7801..7878, 7802..7891		
Seq. No.	13145	Seq. ID	OJ991111_18.0127.C3
Gene No.	27851	Strand	+
Start	3861	End	8032
Name	OJ991111_18.0127.C3.o2.gp	Method	AAT/GAP
Start	7584	End	8032
GI	LIB3433-048-P1-K1-G3	Score	606
Exons	7584..7713, 7804..8032		
GI Descrip.	'5921933/sp|Q43147|CP85_LYCES 1.0e-25 CYTOCHROME P450 85 (DWARF PROTEIN) >gi_1421741 (U54770) cytochrome P450 homolog [Lycopersicon esculentum]'		
Seq. No.	13146	Seq. ID	OJ991111_18.0127.C4
Gene No.	27852	Strand	+
Start	3176	End	4039
Name	OJ991111_18.0127.C4.o1.gs	Method	GENSCAN
Start	3176	End	4039
GI	none	Score	.98
Exons	3176..3429, 3441..4039		
Seq. No.	13146	Seq. ID	OJ991111_18.0127.C4
Gene No.	27853	Strand	-
Start	3148	End	3653
Name	OJ991111_18.0127.C4.o1.tm	Method	TBLASTX:Maize
Start	3123	End	3653
GI	none	Score	86
Exons	3123..3206, 3130..3369, 3138..3383, 3270..3392, 3304..3399, 3605..3649, 3606..3653		
Seq. No.	13146	Seq. ID	OJ991111_18.0127.C4
Gene No.	27853	Strand	-
Start	3148	End	3653
Name	OJ991111_18.0127.C4.o1.ts	Method	TBLASTX:Soybean
Start	3133	End	3392
GI	none	Score	243
Exons	3133..3366, 3138..3383, 3270..3392		
Seq. No.	13146	Seq. ID	OJ991111_18.0127.C4
Gene No.	27853	Strand	-
Start	3148	End	3653
Name	OJ991111_18.0127.C4.o1.tc	Method	TBLASTX:Cress
Start	3138	End	3383
GI	none	Score	161
Exons	3138..3170, 3145..3366, 3159..3383		
Seq. No.	13146	Seq. ID	OJ991111_18.0127.C4

Gene No.	27853	Strand	-
Start	3148	End	3653
Name	OJ991111_18.0127.C4.o1.np	Method	AAT/NAP
Start	3148	End	3637
GI	2828151	Score	222
Exons	3148..3394, 3607..3637		
GI Descrip.	(AF042386) cyclophilin-33B [Homo sapiens] gi|4406229|gb|AAD19907| (AF104013) peptidyl-prolyl cis-trans isomerase E [Homo sapiens]		

Seq. No.	13147	Seq. ID	OJ991111_18.0127.C5
Gene No.	27854	Strand	+
Start	8943	End	11873
Name	OJ991111_18.0127.C5.o4.gs	Method	GENSCAN
Start	8943	End	10752
GI	none	Score	.67
Exons	8943..9200, 9309..9777, 10249..10451, 10669..10752		

Seq. No.	13147	Seq. ID	OJ991111_18.0127.C5
Gene No.	27854	Strand	+
Start	8943	End	11873
Name	OJ991111_18.0127.C5.o2.np	Method	AAT/NAP
Start	9534	End	11873
GI	6498436	Score	545
Exons	9534..9671, 9711..9777, 9826..10443, 10687..10872, 11681..11873		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	13147	Seq. ID	OJ991111_18.0127.C5
Gene No.	27855	Strand	-
Start	665	End	7052
Name	OJ991111_18.0127.C5.o1.np	Method	AAT/NAP
Start	665	End	4775
GI	4741846	Score	809
Exons	665..727, 2760..3639, 4697..4775		
GI Descrip.	(AF112965) beta-1,3-glucanase precursor [Triticum aestivum]		

Seq. No.	13147	Seq. ID	OJ991111_18.0127.C5
Gene No.	27855	Strand	-
Start	665	End	7052
Name	OJ991111_18.0127.C5.o2.gs	Method	GENSCAN
Start	1824	End	2443
GI	none	Score	.65
Exons	1824..2252, 2360..2443		

Seq. No.	13147	Seq. ID	OJ991111_18.0127.C5
Gene No.	27855	Strand	-
Start	665	End	7052
Name	OJ991111_18.0127.C5.o3.gs	Method	GENSCAN
Start	2730	End	7052
GI	none	Score	.49
Exons	2730..3147, 3149..3665, 4164..4376, 4470..4734, 6063..6158, 6167..6409, 6426..6568, 6965..7052		

Seq. No.	13147	Seq. ID	OJ991111_18.0127.C5
Gene No.	27856	Strand	-
Start	11255	End	14689
Name	OJ991111_18.0127.C5.o1.ts	Method	TBLASTX:Soybean

Start	647	End	3649
GI	none	Score	50
Exons	647..724, 2745..2807, 2745..2810, 2752..2808, 2817..3011, 2820..2945, 2908..3003, 3081..3134, 3169..3312, 3200..3307, 3326..3421, 3328..3390, 3466..3582, 3605..3649		

Seq. No.	13147	Seq. ID	OJ991111_18.0127.C5
Gene No.	27856	Strand	-
Start	11255	End	14689
Name	OJ991111_18.0127.C5.o1.tm	Method	TBLASTX:Maize
Start	662	End	3044
GI	none	Score	193
Exons	662..727, 2738..2989, 2745..3044, 2746..3024		

Seq. No.	13147	Seq. ID	OJ991111_18.0127.C5
Gene No.	27856	Strand	-
Start	11255	End	14689
Name	OJ991111_18.0127.C5.o2.tw	Method	TBLASTX:Wheat
Start	663	End	2979
GI	none	Score	79
Exons	663..725, 665..721, 2744..2842, 2745..2978, 2752..2970, 2770..2979		

Seq. No.	13147	Seq. ID	OJ991111_18.0127.C5
Gene No.	27856	Strand	-
Start	11255	End	14689
Name	OJ991111_18.0127.C5.o1.tc	Method	TBLASTX:Cress
Start	2766	End	3638
GI	none	Score	50
Exons	2766..2813, 2769..2807, 2817..3074, 2911..3003, 3081..3128, 3130..3210, 3334..3384, 3469..3591, 3470..3592, 3606..3638, 3608..3637		

Seq. No.	13147	Seq. ID	OJ991111_18.0127.C5
Gene No.	27856	Strand	-
Start	11255	End	14689
Name	OJ991111_18.0127.C5.o1.tw	Method	TBLASTX:Wheat
Start	8961	End	9421
GI	none	Score	276
Exons	8961..9233, 9033..9227, 9140..9232, 9237..9416, 9246..9398, 9257..9421		

Seq. No.	13147	Seq. ID	OJ991111_18.0127.C5
Gene No.	27856	Strand	-
Start	11255	End	14689
Name	OJ991111_18.0127.C5.o2.ts	Method	TBLASTX:Soybean
Start	9009	End	9428
GI	none	Score	167
Exons	9009..9278, 9066..9278, 9270..9428		

Seq. No.	13147	Seq. ID	OJ991111_18.0127.C5
Gene No.	27856	Strand	-
Start	11255	End	14689
Name	OJ991111_18.0127.C5.o5.gs	Method	GENSCAN
Start	11255	End	14689
GI	none	Score	.42
Exons	11255..11311, 13149..13220, 13604..13792, 13865..14689		

Seq. No.	13148	Seq. ID	OJ991111_18.0127.C6
Gene No.	27857	Strand	+
Start	364	End	14688
Name	OJ991111_18.0127.C6.o1.gs	Method	GENSCAN
Start	364	End	14688
GI	none	Score	.5
Exons	364..452, 505..591, 814..901, 2422..2557, 3684..3790, 4873..4974, 7353..7950, 8951..8989, 9384..9520, 9653..9709, 9788..9860, 9937..10039, 10719..11010, 11098..11290, 11389..11410, 11975..12122, 13890..14183, 14665..14688		

Seq. No.	13148	Seq. ID	OJ991111_18.0127.C6
Gene No.	27858	Strand	+
Start	17798	End	17858
Name	OJ991111_18.0127.C6.o3.gp	Method	AAT/GAP
Start	17798	End	17858
GI	LIB3477-003-P1-K1-E9	Score	78
Exons	17798..17858		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	13148	Seq. ID	OJ991111_18.0127.C6
Gene No.	27859	Strand	+
Start	19366	End	25350
Name	OJ991111_18.0127.C6.o3.np	Method	AAT/NAP
Start	19366	End	25350
GI	6063554	Score	209
Exons	19366..19525, 23142..23216, 23277..23357, 23581..23720, 24503..24531, 25176..25350		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	13148	Seq. ID	OJ991111_18.0127.C6
Gene No.	27859	Strand	+
Start	19366	End	25350
Name	OJ991111_18.0127.C6.o3.gs	Method	GENSCAN
Start	21786	End	24179
GI	none	Score	.72
Exons	21786..21861, 22806..22948, 23104..23195, 23317..23515, 23529..23801, 23857..23928, 24024..24179		

Seq. No.	13148	Seq. ID	OJ991111_18.0127.C6
Gene No.	27860	Strand	-
Start	4614	End	5389
Name	OJ991111_18.0127.C6.o1.np	Method	AAT/NAP
Start	4614	End	5389
GI	5306245	Score	88
Exons	4614..4689, 4769..5389		
GI Descrip.	(AC006438) unknown protein [Arabidopsis thaliana]		

Seq. No.	13148	Seq. ID	OJ991111_18.0127.C6
Gene No.	27861	Strand	-
Start	14748	End	21848
Name	OJ991111_18.0127.C6.o2.np	Method	AAT/NAP

Start	14748	End	21848
GI	6815062	Score	672
Exons	14748..14826, 20885..21285, 21662..21848		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	13148	Seq. ID	OJ991111_18.0127.C6
Gene No.	27861	Strand	-
Start	14748	End	21848
Name	OJ991111_18.0127.C6.o2.gs	Method	GENSCAN
Start	15497	End	19424
GI	none	Score	.4
Exons	15497..16620, 17417..17624, 18509..18623, 18761..18947, 19229..19424		

Seq. No.	13148	Seq. ID	OJ991111_18.0127.C6
Gene No.	27861	Strand	-
Start	14748	End	21848
Name	OJ991111_18.0127.C6.o1.gp	Method	AAT/GAP
Start	15542	End	15999
GI	703047	Score	834
Exons	15542..15999		

Seq. No.	13148	Seq. ID	OJ991111_18.0127.C6
Gene No.	27861	Strand	-
Start	14748	End	21848
Name	OJ991111_18.0127.C6.o2.gp	Method	AAT/GAP
Start	16669	End	17637
GI	none	Score	757
Exons	16669..16720, 17290..17637		

Seq. No.	13148	Seq. ID	OJ991111_18.0127.C6
Gene No.	27862	Strand	-
Start	25713	End	26027
Name	OJ991111_18.0127.C6.o4.gp	Method	AAT/GAP
Start	25713	End	26027
GI	61605_3.R1084	Score	431
Exons	25713..26027		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	13148	Seq. ID	OJ991111_18.0127.C6
Gene No.	27863	Strand	-
Start	25995	End	28000
Name	OJ991111_18.0127.C6.o1.tm	Method	TBLASTX:Maize
Start	20870	End	21803
GI	none	Score	210
Exons	20870..21253, 20877..21254, 21678..21803		

Seq. No.	13148	Seq. ID	OJ991111_18.0127.C6
Gene No.	27863	Strand	-
Start	25995	End	28000
Name	OJ991111_18.0127.C6.o4.gs	Method	GENSCAN
Start	25995	End	28000
GI	none	Score	.4
Exons	25995..26543, 27453..27636, 27894..28000		

Seq. No.	13149	Seq. ID	OJ991111_18.0127.C7
Gene No.	27864	Strand	+
Start	858	End	1518
Name	OJ991111_18.0127.C7.o1.np	Method	AAT/NAP
Start	858	End	1491
GI	4530585	Score	164
Exons	858..976, 1341..1491		
GI Descrip.	(AF130978) B12D protein [Ipomoea batatas]		

Seq. No.	13149	Seq. ID	OJ991111_18.0127.C7
Gene No.	27864	Strand	+
Start	858	End	1518
Name	OJ991111_18.0127.C7.o1.gs	Method	GENSCAN
Start	900	End	1518
GI	none	Score	.8
Exons	900..976, 1341..1518		

Seq. No.	13149	Seq. ID	OJ991111_18.0127.C7
Gene No.	27865	Strand	+
Start	4100	End	5481
Name	OJ991111_18.0127.C7.o2.gs	Method	GENSCAN
Start	4100	End	5481
GI	none	Score	.77
Exons	4100..4146, 4794..5481		

Seq. No.	13149	Seq. ID	OJ991111_18.0127.C7
Gene No.	27866	Strand	-
Start	6212	End	8785
Name	OJ991111_18.0127.C7.o3.gs	Method	GENSCAN
Start	6212	End	8785
GI	none	Score	.59
Exons	6212..6381, 6515..6694, 6902..7093, 7207..7413, 8224..8785		

Seq. No.	13150	Seq. ID	OJ991111_18.0127.C8
Gene No.	27867	Strand	-
Start	90	End	853
Name	OJ991111_18.0127.C8.o1.gs	Method	GENSCAN
Start	90	End	853
GI	none	Score	.93
Exons	90..853		

Seq. No.	13150	Seq. ID	OJ991111_18.0127.C8
Gene No.	27868	Strand	-
Start	5501	End	11734
Name	OJ991111_18.0127.C8.o3.gs	Method	GENSCAN
Start	5501	End	11734
GI	none	Score	.53
Exons	5501..5557, 5705..5845, 6751..7000, 7689..8116, 8216..8257, 8879..9024, 9504..9533, 10553..10715, 11678..11734		

Seq. No.	13151	Seq. ID	OJ991111_18.0127.C9
Gene No.	27869	Strand	-
Start	552	End	2464
Name	OJ991111_18.0127.C9.o1.gp	Method	AAT/GAP
Start	185	End	611
GI	LIB3477-003-P1-K1-E9	Score	112

Exons	185..277, 586..611		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	13151	Seq. ID	OJ991111_18.0127.C9
Gene No.	27869	Strand	-
Start	552	End	2464
Name	OJ991111_18.0127.C9.o1.gs	Method	GENSCAN
Start	552	End	2464
GI	none	Score	.47
Exons	552..685, 1088..1231, 1309..1437, 2236..2464		
Seq. No.	13152	Seq. ID	OJ991111_18.0127.C10
Gene No.	27870	Strand	+
Start	138	End	281
Name	OJ991111_18.0127.C10.o1.gp	Method	AAT/GAP
Start	138	End	281
GI	21474_1.R1084	Score	242
Exons	138..281		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	13152	Seq. ID	OJ991111_18.0127.C10
Gene No.	27871	Strand	-
Start	668	End	2530
Name	OJ991111_18.0127.C10.o1.gs	Method	GENSCAN
Start	668	End	2530
GI	none	Score	.97
Exons	668..853, 1126..1198, 1283..1393, 1490..1663, 1773..2530		
Seq. No.	13152	Seq. ID	OJ991111_18.0127.C10
Gene No.	27871	Strand	-
Start	668	End	2530
Name	OJ991111_18.0127.C10.o1.tw	Method	TBLASTX:Wheat
Start	1324	End	1846
GI	none	Score	68
Exons	1324..1395, 1495..1677, 1502..1627, 1766..1846		
Seq. No.	13153	Seq. ID	OJ991111_18.0127.C11
Gene No.	27872	Strand	+
Start	1588	End	2005
Name	OJ991111_18.0127.C11.o3.gp	Method	AAT/GAP
Start	1588	End	2005
GI	LIB3431-028-P1-N1-A10	Score	788
Exons	1588..2005		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		
Seq. No.	13153	Seq. ID	OJ991111_18.0127.C11
Gene No.	27873	Strand	+
Start	18000	End	18554
Name	OJ991111_18.0127.C11.o5.gs	Method	GENSCAN
Start	18000	End	18554
GI	none	Score	.88
Exons	18000..18554		

Seq. No.	13153	Seq. ID	OJ991111_18.0127.C11
Gene No.	27874	Strand	+
Start	19621	End	20065
Name	OJ991111_18.0127.C11.o7.gp	Method	AAT/GAP
Start	19621	End	20065
GI	LIB3431-028-P1-N1-A10	Score	754
Exons	19621..19691, 19719..20065		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	13153	Seq. ID	OJ991111_18.0127.C11
Gene No.	27875	Strand	-
Start	1	End	6278
Name	OJ991111_18.0127.C11.o1.np	Method	AAT/NAP
Start	1	End	2512
GI	4680204	Score	266
Exons	1..694, 2484..2512		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	13153	Seq. ID	OJ991111_18.0127.C11
Gene No.	27875	Strand	-
Start	1	End	6278
Name	OJ991111_18.0127.C11.o1.gs	Method	GENSCAN
Start	67	End	6276
GI	none	Score	.45
Exons	67..186, 232..515, 644..755, 1675..2020, 2050..3805, 3940..4954, 6202..6276		

Seq. No.	13153	Seq. ID	OJ991111_18.0127.C11
Gene No.	27875	Strand	-
Start	1	End	6278
Name	OJ991111_18.0127.C11.o1.gp	Method	AAT/GAP
Start	728	End	4817
GI	342_1.R1084	Score	6555
Exons	728..1234, 1344..1442, 1563..4817		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	13153	Seq. ID	OJ991111_18.0127.C11
Gene No.	27875	Strand	-
Start	1	End	6278
Name	OJ991111_18.0127.C11.o2.gp	Method	AAT/GAP
Start	728	End	4812
GI	342_1.R1084	Score	6549
Exons	728..1234, 1344..1442, 1563..4812		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	13153	Seq. ID	OJ991111_18.0127.C11
Gene No.	27875	Strand	-
Start	1	End	6278
Name	OJ991111_18.0127.C11.o4.gp	Method	AAT/GAP
Start	860	End	4950
GI	342_1.R1084	Score	6502
Exons	860..1234, 1344..1442, 1563..4950		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	13153	Seq. ID	OJ991111_18.0127.C11
Gene No.	27875	Strand	-
Start	1	End	6278
Name	OJ991111_18.0127.C11.o5.gp	Method	AAT/GAP
Start	863	End	4950
GI	342_1.R1084	Score	6496
Exons	863..1234, 1344..1442, 1563..4950		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	13153	Seq. ID	OJ991111_18.0127.C11
Gene No.	27875	Strand	-
Start	1	End	6278
Name	OJ991111_18.0127.C11.o2.np	Method	AAT/NAP
Start	1645	End	6278
GI	4680203	Score	3268
Exons	1645..2621, 2898..3131, 3285..4954, 6241..6278		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	13153	Seq. ID	OJ991111_18.0127.C11
Gene No.	27875	Strand	-
Start	1	End	6278
Name	OJ991111_18.0127.C11.o6.gp	Method	AAT/GAP
Start	3881	End	5402
GI	2310235	Score	296
Exons	3881..3938, 4815..4954, 5365..5402		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	13153	Seq. ID	OJ991111_18.0127.C11
Gene No.	27876	Strand	-
Start	12610	End	17047
Name	OJ991111_18.0127.C11.o3.np	Method	AAT/NAP
Start	12610	End	17047
GI	4680204	Score	881
Exons	12610..12631, 15075..15518, 15614..17047		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	13153	Seq. ID	OJ991111_18.0127.C11
Gene No.	27876	Strand	-
Start	12610	End	17047
Name	OJ991111_18.0127.C11.o4.gs	Method	GENSCAN
Start	14230	End	16569
GI	none	Score	.64
Exons	14230..14412, 14496..14594, 14751..15107, 15109..15251, 15377..15518, 15614..15799, 15886..16569		

Seq. No.	13153	Seq. ID	OJ991111_18.0127.C11
Gene No.	27877	Strand	-
Start	19684	End	21348
Name	OJ991111_18.0127.C11.o5.tw	Method	TBLASTX:Wheat
Start	457	End	16406
GI	none	Score	79
Exons	457..552, 458..574, 590..691, 622..690, 16004..16174, 16006..16173, 16163..16303, 16171..16404, 16210..16404, 16266..16406, 16290..16406		

Seq. No.	13153	Seq. ID	OJ991111_18.0127.C11
Gene No.	27877	Strand	-
Start	19684	End	21348
Name	OJ991111_18.0127.C11.o1.tw	Method	TBLASTX:Wheat
Start	1693	End	21076
GI	none	Score	139
Exons	1693..1791, 1780..1860, 1873..2013, 1874..2014, 1961..2056, 1993..2052, 2059..2082, 2059..2097, 2064..2084, 2112..2429, 2112..3014, 2113..3015, 19759..19854, 19760..19825, 19840..19920, 19857..19928, 19933..20073, 19934..20074, 20021..20116, 20053..20112, 20119..20163, 20124..20159, 20158..21075, 20173..20490, 20351..21076, 20375..21076		

Seq. No.	13153	Seq. ID	OJ991111_18.0127.C11
Gene No.	27877	Strand	-
Start	19684	End	21348
Name	OJ991111_18.0127.C11.o1.tc	Method	TBLASTX:Cress
Start	2280	End	20792
GI	none	Score	78
Exons	2280..2429, 2280..2723, 2284..2727, 2290..2727, 2549..2731, 20340..20591, 20362..20784, 20365..20490, 20375..20788, 20610..20792		

Seq. No.	13153	Seq. ID	OJ991111_18.0127.C11
Gene No.	27877	Strand	-
Start	19684	End	21348
Name	OJ991111_18.0127.C11.o2.tm	Method	TBLASTX:Maize
Start	2658	End	21033
GI	none	Score	74
Exons	2658..2888, 2658..2972, 2677..2961, 20719..21033, 20747..21022		

Seq. No.	13153	Seq. ID	OJ991111_18.0127.C11
Gene No.	27877	Strand	-
Start	19684	End	21348
Name	OJ991111_18.0127.C11.o3.tw	Method	TBLASTX:Wheat
Start	3016	End	21339
GI	none	Score	77
Exons	3016..3099, 3018..3098, 3135..3353, 3175..3357, 3363..3425, 3376..3423, 21077..21163, 21079..21162, 21196..21339, 21236..21331		

Seq. No.	13153	Seq. ID	OJ991111_18.0127.C11
Gene No.	27877	Strand	-
Start	19684	End	21348
Name	OJ991111_18.0127.C11.o2.ts	Method	TBLASTX:Soybean
Start	3459	End	3701
GI	none	Score	216
Exons	3459..3701		

Seq. No.	13153	Seq. ID	OJ991111_18.0127.C11
Gene No.	27877	Strand	-
Start	19684	End	21348
Name	OJ991111_18.0127.C11.o1.tm	Method	TBLASTX:Maize
Start	3531	End	3988
GI	none	Score	52
Exons	3531..3725, 3735..3854, 3735..3860, 3854..3976, 3860..3988		

Seq. No.	13153	Seq. ID	OJ991111_18.0127.C11
Gene No.	27877	Strand	-
Start	19684	End	21348
Name	OJ991111_18.0127.C11.o2.tw	Method	TBLASTX:Wheat
Start	3565	End	4033
GI	none	Score	163
Exons	3565..3771, 3565..3774, 3576..3794, 3774..3860, 3775..3861, 3875..3979, 3879..3968, 3980..4033, 3981..4025		

Seq. No.	13153	Seq. ID	OJ991111_18.0127.C11
Gene No.	27877	Strand	-
Start	19684	End	21348
Name	OJ991111_18.0127.C11.o2.tc	Method	TBLASTX:Cress
Start	3854	End	4169
GI	none	Score	74
Exons	3854..4162, 3882..3977, 4017..4169		

Seq. No.	13153	Seq. ID	OJ991111_18.0127.C11
Gene No.	27877	Strand	-
Start	19684	End	21348
Name	OJ991111_18.0127.C11.o1.ts	Method	TBLASTX:Soybean
Start	3902	End	4331
GI	none	Score	121
Exons	3902..4198, 3920..4144, 4193..4255, 4248..4331, 4256..4330		

Seq. No.	13153	Seq. ID	OJ991111_18.0127.C11
Gene No.	27877	Strand	-
Start	19684	End	21348
Name	OJ991111_18.0127.C11.o4.tw	Method	TBLASTX:Wheat
Start	4252	End	4603
GI	none	Score	187
Exons	4252..4503, 4262..4513, 4263..4505, 4496..4603		

Seq. No.	13153	Seq. ID	OJ991111_18.0127.C11
Gene No.	27877	Strand	-
Start	19684	End	21348
Name	OJ991111_18.0127.C11.o6.gs	Method	GENSCAN
Start	19684	End	21126
GI	none	Score	.83
Exons	19684..21126		

Seq. No.	13153	Seq. ID	OJ991111_18.0127.C11
Gene No.	27877	Strand	-
Start	19684	End	21348
Name	OJ991111_18.0127.C11.o4.np	Method	AAT/NAP
Start	20243	End	21348
GI	6742729	Score	1715
Exons	20243..21348		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	13154	Seq. ID	OJ991111_18.0127.C12
Gene No.	27878	Strand	-
Start	1	End	472
Name	OJ991111_18.0127.C12.o1.gp	Method	AAT/GAP
Start	1	End	472
GI	342_1.R1084	Score	807

Exons	1..472		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	13154	Seq. ID	OJ991111_18.0127.C12
Gene No.	27878	Strand	-
Start	1	End	472
Name	OJ991111_18.0127.C12.o1.np	Method	AAT/NAP
Start	1	End	472
GI	4680203	Score	648
Exons	1..472		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	13154	Seq. ID	OJ991111_18.0127.C12
Gene No.	27878	Strand	-
Start	1	End	472
Name	OJ991111_18.0127.C12.o1.tw	Method	TBLASTX:Wheat
Start	23	End	365
GI	none	Score	277
Exons	23..364, 51..365		

Seq. No.	13154	Seq. ID	OJ991111_18.0127.C12
Gene No.	27878	Strand	-
Start	1	End	472
Name	OJ991111_18.0127.C12.o1.gs	Method	GENSCAN
Start	55	End	406
GI	none	Score	.41
Exons	55..406		

Seq. No.	13154	Seq. ID	OJ991111_18.0127.C12
Gene No.	27878	Strand	-
Start	1	End	472
Name	OJ991111_18.0127.C12.o1.tc	Method	TBLASTX:Cress
Start	152	End	472
GI	none	Score	80
Exons	152..472, 155..397, 348..464		

Seq. No.	13154	Seq. ID	OJ991111_18.0127.C12
Gene No.	27878	Strand	-
Start	1	End	472
Name	OJ991111_18.0127.C12.o1.tm	Method	TBLASTX:Maize
Start	179	End	412
GI	none	Score	137
Exons	179..391, 186..407, 191..412		

Seq. No.	13154	Seq. ID	OJ991111_18.0127.C12
Gene No.	27878	Strand	-
Start	1	End	472
Name	OJ991111_18.0127.C12.o1.ts	Method	TBLASTX:Soybean
Start	233	End	472
GI	none	Score	83
Exons	233..472, 246..464, 251..472		

Seq. No.	13155	Seq. ID	OJ991111_18.0127.C13
Gene No.	27879	Strand	+
Start	164	End	257
Name	OJ991111_18.0127.C13.o1.gs	Method	GENSCAN

Start	164	End	257
GI	none	Score	.43
Exons	164..257		

Seq. No.	13156	Seq. ID	OJ991201_18.0120.C1
Gene No.	27880	Strand	+
Start	3362	End	3516
Name	OJ991201_18.0120.C1.o1.gp	Method	AAT/GAP
Start	3362	End	3516
GI	2315_5.R1084	Score	175
Exons	3362..3516		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	13156	Seq. ID	OJ991201_18.0120.C1
Gene No.	27881	Strand	-
Start	745	End	1470
Name	OJ991201_18.0120.C1.o1.gs	Method	GENSCAN
Start	745	End	1470
GI	none	Score	.64
Exons	745..1470		

Seq. No.	13157	Seq. ID	OJ991201_18.0120.C5
Gene No.	27882	Strand	-
Start	1	End	389
Name	OJ991201_18.0120.C5.o1.np	Method	AAT/NAP
Start	1	End	389
GI	6705984	Score	514
Exons	1..389		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	13157	Seq. ID	OJ991201_18.0120.C5
Gene No.	27882	Strand	-
Start	1	End	389
Name	OJ991201_18.0120.C5.o1.tw	Method	TBLASTX:Wheat
Start	15	End	387
GI	none	Score	62
Exons	15..143, 16..387, 17..382, 178..384		

Seq. No.	13157	Seq. ID	OJ991201_18.0120.C5
Gene No.	27882	Strand	-
Start	1	End	389
Name	OJ991201_18.0120.C5.o1.gs	Method	GENSCAN
Start	45	End	298
GI	none	Score	.53
Exons	45..298		

Seq. No.	13157	Seq. ID	OJ991201_18.0120.C5
Gene No.	27882	Strand	-
Start	1	End	389
Name	OJ991201_18.0120.C5.o1.ts	Method	TBLASTX:Soybean
Start	169	End	384
GI	none	Score	45
Exons	169..249, 179..247, 245..373, 253..384		

Seq. No.	13158	Seq. ID	OJ991201_18.0120.C9
Gene No.	27883	Strand	-

Start	568	End	702
Name	OJ991201_18.0120.C9.o1.gs	Method	GENSCAN
Start	568	End	702
GI	none	Score	.57
Exons	568..702		

Seq. No.	13159	Seq. ID	OJ991201_18.0120.C10
Gene No.	27884	Strand	+
Start	49	End	1361
Name	OJ991201_18.0120.C10.o1.gs	Method	GENSCAN
Start	49	End	1361
GI	none	Score	.84
Exons	49..139, 505..636, 1147..1361		

Seq. No.	13160	Seq. ID	OJ991201_18.0120.C12
Gene No.	27885	Strand	+
Start	1	End	1789
Name	OJ991201_18.0120.C12.o1.np	Method	AAT/NAP
Start	1	End	1789
GI	6498436	Score	1233
Exons	1..71, 380..452, 501..1408, 1673..1789		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	13160	Seq. ID	OJ991201_18.0120.C12
Gene No.	27885	Strand	+
Start	1	End	1789
Name	OJ991201_18.0120.C12.o1.gs	Method	GENSCAN
Start	218	End	1749
GI	none	Score	.47
Exons	218..1407, 1673..1749		

Seq. No.	13161	Seq. ID	OJ991201_18.0120.C13
Gene No.	27886	Strand	-
Start	822	End	1238
Name	OJ991201_18.0120.C13.o1.gs	Method	GENSCAN
Start	822	End	1238
GI	none	Score	.82
Exons	822..997, 1126..1238		

Seq. No.	13162	Seq. ID	OJ991201_18.0120.C14
Gene No.	27887	Strand	-
Start	288	End	476
Name	OJ991201_18.0120.C14.o1.gs	Method	GENSCAN
Start	288	End	476
GI	none	Score	.9
Exons	288..476		

Seq. No.	13163	Seq. ID	OJ991201_18.0120.C15
Gene No.	27888	Strand	+
Start	334	End	865
Name	OJ991201_18.0120.C15.o1.gs	Method	GENSCAN
Start	334	End	865
GI	none	Score	.65
Exons	334..362, 768..865		

Seq. No.	13164	Seq. ID	OJ991201_18.0120.C16
Gene No.	27889	Strand	-

Start	178	End	729
Name	OJ991201_18.0120.C16.o1.gs	Method	GENSCAN
Start	178	End	729
GI	none	Score	.88
Exons	178..311, 563..729		

Seq. No.	13165	Seq. ID	OJ991201_18.0120.C17
Gene No.	27890	Strand	-
Start	82	End	535
Name	OJ991201_18.0120.C17.o1.tm	Method	TBLASTX:Maize
Start	60	End	535
GI	none	Score	55
Exons	60..86, 80..154, 82..168, 102..155, 103..168, 167..211, 181..285, 282..440, 285..449, 289..453, 289..459, 494..535		

Seq. No.	13165	Seq. ID	OJ991201_18.0120.C17
Gene No.	27890	Strand	-
Start	82	End	535
Name	OJ991201_18.0120.C17.o1.gs	Method	GENSCAN
Start	82	End	522
GI	none	Score	.87
Exons	82..522		

Seq. No.	13166	Seq. ID	OJ991201_18.0120.C18
Gene No.	27891	Strand	-
Start	183	End	641
Name	OJ991201_18.0120.C18.o1.gs	Method	GENSCAN
Start	183	End	641
GI	none	Score	.66
Exons	183..302, 308..641		

Seq. No.	13167	Seq. ID	OJ991201_18.0120.C20
Gene No.	27892	Strand	-
Start	300	End	689
Name	OJ991201_18.0120.C20.o1.gs	Method	GENSCAN
Start	300	End	689
GI	none	Score	.74
Exons	300..689		

Seq. No.	13168	Seq. ID	OJ991201_18.0120.C21
Gene No.	27893	Strand	+
Start	49	End	173
Name	OJ991201_18.0120.C21.o1.gs	Method	GENSCAN
Start	49	End	173
GI	none	Score	.43
Exons	49..173		

Seq. No.	13168	Seq. ID	OJ991201_18.0120.C21
Gene No.	27894	Strand	+
Start	1027	End	1215
Name	OJ991201_18.0120.C21.o1.gp	Method	AAT/GAP
Start	1027	End	1215
GI	uC-osflcyp033a04b1	Score	343
Exons	1027..1215		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	13168	Seq. ID	OJ991201_18.0120.C21
Gene No.	27895	Strand	-
Start	960	End	1215
Name	OJ991201_18.0120.C21.o1.np	Method	AAT/NAP
Start	960	End	1215
GI	4680186	Score	322
Exons	960..1215		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	13169	Seq. ID	OJ991201_18.0120.C23
Gene No.	27896	Strand	+
Start	121	End	328
Name	OJ991201_18.0120.C23.o1.np	Method	AAT/NAP
Start	121	End	328
GI	6721516	Score	89
Exons	121..328		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	13170	Seq. ID	OJ991201_18.0120.C24
Gene No.	27897	Strand	+
Start	91	End	283
Name	OJ991201_18.0120.C24.o1.gs	Method	GENSCAN
Start	91	End	283
GI	none	Score	.58
Exons	91..283		

Seq. No.	13171	Seq. ID	OJ991201_18.0120.C25
Gene No.	27898	Strand	-
Start	1	End	710
Name	OJ991201_18.0120.C25.o1.np	Method	AAT/NAP
Start	1	End	710
GI	6705984	Score	627
Exons	1..514, 570..710		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	13171	Seq. ID	OJ991201_18.0120.C25
Gene No.	27898	Strand	-
Start	1	End	710
Name	OJ991201_18.0120.C25.o1.tw	Method	TBLASTX:Wheat
Start	1	End	382
GI	none	Score	100
Exons	1..156, 3..155, 20..157, 95..382, 157..339, 183..380, 188..382		

Seq. No.	13171	Seq. ID	OJ991201_18.0120.C25
Gene No.	27898	Strand	-
Start	1	End	710
Name	OJ991201_18.0120.C25.o1.tm	Method	TBLASTX:Maize
Start	221	End	506
GI	none	Score	70
Exons	221..505, 366..506		

Seq. No.	13171	Seq. ID	OJ991201_18.0120.C25
Gene No.	27898	Strand	-
Start	1	End	710
Name	OJ991201_18.0120.C25.o2.np	Method	AAT/NAP
Start	512	End	710
GI	4539658	Score	86

Exons	512..710		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	13172	Seq. ID	OJ991201_18.0120.C27
Gene No.	27899	Strand	+
Start	181	End	19876
Name	OJ991201_18.0120.C27.o1.np	Method	AAT/NAP
Start	181	End	18682
GI	6691191	Score	2765
Exons	181..389, 9478..12278, 18422..18682		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	13172	Seq. ID	OJ991201_18.0120.C27
Gene No.	27899	Strand	+
Start	181	End	19876
Name	OJ991201_18.0120.C27.o5.gs	Method	GENSCAN
Start	18467	End	19876
GI	none	Score	.64
Exons	18467..18598, 18751..19232, 19273..19876		

Seq. No.	13172	Seq. ID	OJ991201_18.0120.C27
Gene No.	27900	Strand	-
Start	453	End	666
Name	OJ991201_18.0120.C27.o1.gs	Method	GENSCAN
Start	453	End	666
GI	none	Score	.96
Exons	453..666		

Seq. No.	13172	Seq. ID	OJ991201_18.0120.C27
Gene No.	27901	Strand	-
Start	14213	End	18589
Name	OJ991201_18.0120.C27.o6.tw	Method	TBLASTX:Wheat
Start	8271	End	8624
GI	none	Score	179
Exons	8271..8624		

Seq. No.	13172	Seq. ID	OJ991201_18.0120.C27
Gene No.	27901	Strand	-
Start	14213	End	18589
Name	OJ991201_18.0120.C27.o3.ts	Method	TBLASTX:Soybean
Start	9797	End	10221
GI	none	Score	104
Exons	9797..9916, 9919..9963, 9965..10003, 10012..10209, 10027..10221		

Seq. No.	13172	Seq. ID	OJ991201_18.0120.C27
Gene No.	27901	Strand	-
Start	14213	End	18589
Name	OJ991201_18.0120.C27.o5.tw	Method	TBLASTX:Wheat
Start	9797	End	10200
GI	none	Score	112
Exons	9797..10003, 9928..10005, 9996..10091, 10027..10200		

Seq. No.	13172	Seq. ID	OJ991201_18.0120.C27
Gene No.	27901	Strand	-
Start	14213	End	18589
Name	OJ991201_18.0120.C27.o2.tm	Method	TBLASTX:Maize

Start	10084	End	10446
GI	none	Score	219
Exons	10084..10446		

Seq. No.	13172	Seq. ID	OJ991201_18.0120.C27
Gene No.	27901	Strand	-
Start	14213	End	18589
Name	OJ991201_18.0120.C27.o1.tw	Method	TBLASTX:Wheat
Start	10297	End	10728
GI	none	Score	522
Exons	10297..10728, 10299..10349, 10315..10704, 10413..10718		

Seq. No.	13172	Seq. ID	OJ991201_18.0120.C27
Gene No.	27901	Strand	-
Start	14213	End	18589
Name	OJ991201_18.0120.C27.o1.tm	Method	TBLASTX:Maize
Start	10462	End	11010
GI	none	Score	266
Exons	10462..10875, 10476..10874, 10867..11010		

Seq. No.	13172	Seq. ID	OJ991201_18.0120.C27
Gene No.	27901	Strand	-
Start	14213	End	18589
Name	OJ991201_18.0120.C27.o2.ts	Method	TBLASTX:Soybean
Start	10588	End	10943
GI	none	Score	63
Exons	10588..10653, 10653..10943, 10654..10941		

Seq. No.	13172	Seq. ID	OJ991201_18.0120.C27
Gene No.	27901	Strand	-
Start	14213	End	18589
Name	OJ991201_18.0120.C27.o2.tw	Method	TBLASTX:Wheat
Start	10732	End	11034
GI	none	Score	380
Exons	10732..11034, 10736..11002, 10761..11033		

Seq. No.	13172	Seq. ID	OJ991201_18.0120.C27
Gene No.	27901	Strand	-
Start	14213	End	18589
Name	OJ991201_18.0120.C27.o4.tw	Method	TBLASTX:Wheat
Start	11047	End	11517
GI	none	Score	189
Exons	11047..11247, 11049..11231, 11239..11334, 11314..11517		

Seq. No.	13172	Seq. ID	OJ991201_18.0120.C27
Gene No.	27901	Strand	-
Start	14213	End	18589
Name	OJ991201_18.0120.C27.o5.ts	Method	TBLASTX:Soybean
Start	11053	End	11187
GI	none	Score	200
Exons	11053..11187, 11053..11169, 11067..11174		

Seq. No.	13172	Seq. ID	OJ991201_18.0120.C27
Gene No.	27901	Strand	-
Start	14213	End	18589
Name	OJ991201_18.0120.C27.o1.tc	Method	TBLASTX:Cress
Start	11311	End	11613

GI	none	Score	292
Exons	11311..11613, 11463..11612		

Seq. No.	13172	Seq. ID	OJ991201_18.0120.C27
Gene No.	27901	Strand	-
Start	14213	End	18589
Name	OJ991201_18.0120.C27.o4.ts	Method	TBLASTX:Soybean
Start	11634	End	11958
GI	none	Score	81
Exons	11634..11675, 11635..11676, 11673..11957, 11674..11958		

Seq. No.	13172	Seq. ID	OJ991201_18.0120.C27
Gene No.	27901	Strand	-
Start	14213	End	18589
Name	OJ991201_18.0120.C27.o3.tw	Method	TBLASTX:Wheat
Start	11635	End	12090
GI	none	Score	364
Exons	11635..12090, 11640..12080		

Seq. No.	13172	Seq. ID	OJ991201_18.0120.C27
Gene No.	27901	Strand	-
Start	14213	End	18589
Name	OJ991201_18.0120.C27.o1.ts	Method	TBLASTX:Soybean
Start	11959	End	18589
GI	none	Score	306
Exons	11959..12258, 11960..12142, 11961..12188, 12243..12278, 18416..18490, 18500..18589		

Seq. No.	13172	Seq. ID	OJ991201_18.0120.C27
Gene No.	27901	Strand	-
Start	14213	End	18589
Name	OJ991201_18.0120.C27.o4.gs	Method	GENSCAN
Start	14213	End	17846
GI	none	Score	.41
Exons	14213..14244, 16119..16568, 16651..16782, 17792..17846		

Seq. No.	13172	Seq. ID	OJ991201_18.0120.C27
Gene No.	27901	Strand	-
Start	14213	End	18589
Name	OJ991201_18.0120.C27.o3.tm	Method	TBLASTX:Maize
Start	17735	End	18410
GI	none	Score	82
Exons	17735..17809, 17735..17797, 17736..17798, 17794..17919, 17801..17923, 17801..17905, 17806..17922, 18167..18283, 18167..18295, 18180..18296, 18281..18406, 18288..18410, 18288..18392, 18293..18409		

Seq. No.	13173	Seq. ID	OJ991201_18.0120.C28
Gene No.	27902	Strand	+
Start	3502	End	3883
Name	OJ991201_18.0120.C28.o1.gp	Method	AAT/GAP
Start	3502	End	3883
GI	2312944	Score	395
Exons	3502..3539, 3633..3883		

Seq. No.	13173	Seq. ID	OJ991201_18.0120.C28
Gene No.	27903	Strand	+

Start	4629	End	9372
Name	OJ991201_18.0120.C28.o2.gp	Method	AAT/GAP
Start	4629	End	7665
GI	2315_5.R1084	Score	428
Exons	4629..4668, 5906..5962, 7412..7665		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 1.0e-14 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	13173	Seq. ID	OJ991201_18.0120.C28
Gene No.	27903	Strand	+
Start	4629	End	9372
Name	OJ991201_18.0120.C28.o1.np	Method	AAT/NAP
Start	5088	End	9372
GI	5852181	Score	94
Exons	5088..5129, 8273..8478, 9120..9372		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	13173	Seq. ID	OJ991201_18.0120.C28
Gene No.	27903	Strand	+
Start	4629	End	9372
Name	OJ991201_18.0120.C28.o3.gs	Method	GENSCAN
Start	6771	End	8863
GI	none	Score	.94
Exons	6771..7043, 8579..8863		

Seq. No.	13173	Seq. ID	OJ991201_18.0120.C28
Gene No.	27904	Strand	+
Start	16353	End	21676
Name	OJ991201_18.0120.C28.o5.gs	Method	GENSCAN
Start	16353	End	21676
GI	none	Score	.41
Exons	16353..16515, 17359..17953, 18334..18397, 18424..18552, 19492..19539, 19587..19770, 20608..20741, 20988..21219, 21585..21676		

Seq. No.	13173	Seq. ID	OJ991201_18.0120.C28
Gene No.	27905	Strand	-
Start	3495	End	4317
Name	OJ991201_18.0120.C28.o2.gs	Method	GENSCAN
Start	3495	End	4317
GI	none	Score	.91
Exons	3495..3714, 3838..4197, 4265..4317		

Seq. No.	13173	Seq. ID	OJ991201_18.0120.C28
Gene No.	27906	Strand	-
Start	9475	End	15352
Name	OJ991201_18.0120.C28.o4.gs	Method	GENSCAN
Start	9475	End	15352
GI	none	Score	.43
Exons	9475..9576, 9849..9961, 13137..13370, 13488..13700, 13797..13945, 14841..14895, 15229..15352		

Seq. No.	13173	Seq. ID	OJ991201_18.0120.C28
Gene No.	27907	Strand	-
Start	15563	End	18136
Name	OJ991201_18.0120.C28.o4.tm	Method	TBLASTX:Maize
Start	10933	End	11226

GI	none	Score	107
Exons	10933..11031, 11030..11218, 11038..11226		

Seq. No.	13173	Seq. ID	OJ991201_18.0120.C28
Gene No.	27907	Strand	-
Start	15563	End	18136
Name	OJ991201_18.0120.C28.o4.tw	Method	TBLASTX:Wheat
Start	11305	End	11676
GI	none	Score	80
Exons	11305..11451, 11311..11448, 11485..11676		

Seq. No.	13173	Seq. ID	OJ991201_18.0120.C28
Gene No.	27907	Strand	-
Start	15563	End	18136
Name	OJ991201_18.0120.C28.o2.tm	Method	TBLASTX:Maize
Start	11398	End	11872
GI	none	Score	71
Exons	11398..11451, 11402..11449, 11479..11871, 11503..11571, 11684..11872		

Seq. No.	13173	Seq. ID	OJ991201_18.0120.C28
Gene No.	27907	Strand	-
Start	15563	End	18136
Name	OJ991201_18.0120.C28.o2.tw	Method	TBLASTX:Wheat
Start	11770	End	12321
GI	none	Score	264
Exons	11770..11886, 11914..11952, 11959..12321		

Seq. No.	13173	Seq. ID	OJ991201_18.0120.C28
Gene No.	27907	Strand	-
Start	15563	End	18136
Name	OJ991201_18.0120.C28.o1.ts	Method	TBLASTX:Soybean
Start	11944	End	12441
GI	none	Score	41
Exons	11944..12129, 12017..12109, 12118..12345, 12146..12340, 12313..12441		

Seq. No.	13173	Seq. ID	OJ991201_18.0120.C28
Gene No.	27907	Strand	-
Start	15563	End	18136
Name	OJ991201_18.0120.C28.o1.tm	Method	TBLASTX:Maize
Start	12076	End	13038
GI	none	Score	104
Exons	12076..13038, 12077..12349, 12416..12553, 12628..13023		

Seq. No.	13173	Seq. ID	OJ991201_18.0120.C28
Gene No.	27907	Strand	-
Start	15563	End	18136
Name	OJ991201_18.0120.C28.o6.tw	Method	TBLASTX:Wheat
Start	12328	End	12696
GI	none	Score	103
Exons	12328..12408, 12400..12552, 12562..12696		

Seq. No.	13173	Seq. ID	OJ991201_18.0120.C28
Gene No.	27907	Strand	-
Start	15563	End	18136
Name	OJ991201_18.0120.C28.o3.tw	Method	TBLASTX:Wheat

Start	12703	End	12984
GI	none	Score	160
Exons	12703..12969, 12709..12984		

Seq. No.	13173	Seq. ID	OJ991201_18.0120.C28
Gene No.	27907	Strand	-
Start	15563	End	18136
Name	OJ991201_18.0120.C28.o3.tm	Method	TBLASTX:Maize
Start	13177	End	13947
GI	none	Score	46
Exons	13177..13254, 13231..13410, 13414..13629, 13714..13890, 13909..13947		

Seq. No.	13173	Seq. ID	OJ991201_18.0120.C28
Gene No.	27907	Strand	-
Start	15563	End	18136
Name	OJ991201_18.0120.C28.o1.tw	Method	TBLASTX:Wheat
Start	13315	End	13653
GI	none	Score	116
Exons	13315..13629, 13316..13603, 13468..13653		

Seq. No.	13173	Seq. ID	OJ991201_18.0120.C28
Gene No.	27907	Strand	-
Start	15563	End	18136
Name	OJ991201_18.0120.C28.o5.tw	Method	TBLASTX:Wheat
Start	13948	End	14296
GI	none	Score	70
Exons	13948..14169, 13995..14159, 14171..14296, 14173..14295		

Seq. No.	13173	Seq. ID	OJ991201_18.0120.C28
Gene No.	27907	Strand	-
Start	15563	End	18136
Name	OJ991201_18.0120.C28.o4.np	Method	AAT/NAP
Start	15563	End	18136
GI	4850396	Score	314
Exons	15563..15661, 17593..18136		
GI Descrip.	(AC007357) F3F19.15 [Arabidopsis thaliana]		

Seq. No.	13174	Seq. ID	OJ991201_18.0120.C29
Gene No.	27908	Strand	+
Start	1	End	1840
Name	OJ991201_18.0120.C29.o2.np	Method	AAT/NAP
Start	1	End	1840
GI	3980413	Score	114
Exons	1..43, 1563..1840		
GI Descrip.	(AC004561) putative pumilio/Mpt5 family RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	13174	Seq. ID	OJ991201_18.0120.C29
Gene No.	27908	Strand	+
Start	1	End	1840
Name	OJ991201_18.0120.C29.o1.np	Method	AAT/NAP
Start	257	End	1711
GI	132790	Score	116
Exons	257..314, 1413..1711		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L22 gi|71290|pir||R5RZ22 ribosomal protein L22 - rice chloroplast gi|12026|emb|CAA33935|		

(X15901) ribosomal protein L22 [Oryza sativa]
gi|226647|prf||1603356BX ribosomal protein L22 [Oryza sativa]

Seq. No.	13174	Seq. ID	OJ991201_18.0120.C29
Gene No.	27908	Strand	+
Start	1	End	1840
Name	OJ991201_18.0120.C29.o1.gs	Method	GENSCAN
Start	370	End	1731
GI	none	Score	.79
Exons	370..378, 589..1307, 1569..1731		

Seq. No.	13174	Seq. ID	OJ991201_18.0120.C29
Gene No.	27908	Strand	+
Start	1	End	1840
Name	OJ991201_18.0120.C29.o1.tw	Method	TBLASTX:Wheat
Start	1425	End	1539
GI	none	Score	175
Exons	1425..1532, 1428..1532, 1432..1539		

Seq. No.	13175	Seq. ID	OJ991201_18.0120.C30
Gene No.	27909	Strand	+
Start	1	End	1925
Name	OJ991201_18.0120.C30.o1.np	Method	AAT/NAP
Start	1	End	1925
GI	3980417	Score	189
Exons	1..31, 168..423, 1854..1925		
GI Descrip.	(AC004561) putative pumilio/Mpt5 family RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	13175	Seq. ID	OJ991201_18.0120.C30
Gene No.	27909	Strand	+
Start	1	End	1925
Name	OJ991201_18.0120.C30.o1.tc	Method	TBLASTX:Cress
Start	170	End	400
GI	none	Score	236
Exons	170..400, 256..399		

Seq. No.	13175	Seq. ID	OJ991201_18.0120.C30
Gene No.	27909	Strand	+
Start	1	End	1925
Name	OJ991201_18.0120.C30.o1.tm	Method	TBLASTX:Maize
Start	170	End	400
GI	none	Score	230
Exons	170..400, 179..400		

Seq. No.	13175	Seq. ID	OJ991201_18.0120.C30
Gene No.	27909	Strand	+
Start	1	End	1925
Name	OJ991201_18.0120.C30.o1.ts	Method	TBLASTX:Soybean
Start	203	End	400
GI	none	Score	219
Exons	203..400, 203..307, 250..399		

Seq. No.	13176	Seq. ID	OJ991201_18.0120.C31
Gene No.	27910	Strand	-
Start	62	End	3760
Name	OJ991201_18.0120.C31.o1.np	Method	AAT/NAP

Start	62	End	3760
GI	4680204	Score	987
Exons	62..232, 523..595, 697..807, 901..1074, 1163..2256, 2348..3760		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	13176	Seq. ID	OJ991201_18.0120.C31
Gene No.	27910	Strand	-
Start	62	End	3760
Name	OJ991201_18.0120.C31.o1.gs	Method	GENSCAN
Start	110	End	3745
GI	none	Score	.73
Exons	110..232, 329..427, 523..595, 697..807, 901..1074, 1163..1750, 2063..2256, 2348..2713, 2726..3745		

Seq. No.	13176	Seq. ID	OJ991201_18.0120.C31
Gene No.	27910	Strand	-
Start	62	End	3760
Name	OJ991201_18.0120.C31.o2.tw	Method	TBLASTX:Wheat
Start	729	End	1387
GI	none	Score	49
Exons	729..809, 736..810, 882..1076, 888..1088, 1319..1387		

Seq. No.	13176	Seq. ID	OJ991201_18.0120.C31
Gene No.	27910	Strand	-
Start	62	End	3760
Name	OJ991201_18.0120.C31.o1.tw	Method	TBLASTX:Wheat
Start	2732	End	3035
GI	none	Score	95
Exons	2732..2872, 2733..2813, 2867..3034, 2886..3035		

Seq. No.	13177	Seq. ID	OJ991201_18.0120.C32
Gene No.	27911	Strand	-
Start	1554	End	2883
Name	OJ991201_18.0120.C32.o1.tw	Method	TBLASTX:Wheat
Start	1070	End	2331
GI	none	Score	45
Exons	1070..1162, 1087..1158, 1151..1231, 1179..1232, 1227..1382, 1236..1355, 1238..1357, 1332..1427, 1364..1423, 1429..1476, 1430..1474, 1434..1481, 1469..1801, 1469..1918, 1485..1913, 1915..2118, 1915..2325, 1917..2189, 1919..2326, 2146..2331, 2225..2326		

Seq. No.	13177	Seq. ID	OJ991201_18.0120.C32
Gene No.	27911	Strand	-
Start	1554	End	2883
Name	OJ991201_18.0120.C32.o1.np	Method	AAT/NAP
Start	1554	End	2883
GI	6742729	Score	1899
Exons	1554..2883		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	13177	Seq. ID	OJ991201_18.0120.C32
Gene No.	27911	Strand	-
Start	1554	End	2883
Name	OJ991201_18.0120.C32.o1.tc	Method	TBLASTX:Cress
Start	1651	End	2038
GI	none	Score	83

Exons	1651..1902, 1652..1801, 1652..1918, 1656..1913, 1915..2034, 1915..2034, 1919..2038, 1919..2038		
Seq. No.	13177	Seq. ID	OJ991201_18.0120.C32
Gene No.	27911	Strand	-
Start	1554	End	2883
Name	OJ991201_18.0120.C32.o1.tm	Method	TBLASTX:Maize
Start	1969	End	2283
GI	none	Score	134
Exons	1969..2283, 1997..2272		
Seq. No.	13177	Seq. ID	OJ991201_18.0120.C32
Gene No.	27911	Strand	-
Start	1554	End	2883
Name	OJ991201_18.0120.C32.o2.tw	Method	TBLASTX:Wheat
Start	2338	End	2740
GI	none	Score	63
Exons	2338..2412, 2339..2413, 2446..2538, 2446..2541, 2486..2545, 2543..2665, 2544..2669, 2675..2740, 2694..2738		
Seq. No.	13178	Seq. ID	OJ991201_18.0120.C33
Gene No.	27912	Strand	+
Start	1	End	5051
Name	OJ991201_18.0120.C33.o2.np	Method	AAT/NAP
Start	1	End	2800
GI	6056191	Score	139
Exons	1..23, 2075..2280, 2449..2646, 2674..2800		
GI Descrip.	(AC009400) putative RNA binding protein [Arabidopsis thaliana]		
Seq. No.	13178	Seq. ID	OJ991201_18.0120.C33
Gene No.	27912	Strand	+
Start	1	End	5051
Name	OJ991201_18.0120.C33.o2.gs	Method	GENSCAN
Start	2141	End	5051
GI	none	Score	.49
Exons	2141..2290, 2465..2642, 3323..3465, 3537..3707, 4270..4360, 4462..4575, 4902..5051		
Seq. No.	13178	Seq. ID	OJ991201_18.0120.C33
Gene No.	27913	Strand	-
Start	1	End	2287
Name	OJ991201_18.0120.C33.o1.np	Method	AAT/NAP
Start	1	End	2287
GI	4680203	Score	939
Exons	1..1008, 2255..2287		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	13178	Seq. ID	OJ991201_18.0120.C33
Gene No.	27913	Strand	-
Start	1	End	2287
Name	OJ991201_18.0120.C33.o1.tw	Method	TBLASTX:Wheat
Start	292	End	694
GI	none	Score	155
Exons	292..540, 308..559, 309..551, 542..694, 556..675		
Seq. No.	13178	Seq. ID	OJ991201_18.0120.C33
Gene No.	27913	Strand	-

Start	1	End	2287
Name	OJ991201_18.0120.C33.o1.gs	Method	GENSCAN
Start	307	End	811
GI	none	Score	.53
Exons	307..540, 664..811		

Seq. No.	13179	Seq. ID	OJ991201_18.0120.C34
Gene No.	27914	Strand	+
Start	801	End	1350
Name	OJ991201_18.0120.C34.o1.gs	Method	GENSCAN
Start	801	End	1350
GI	none	Score	.57
Exons	801..890, 1258..1350		

Seq. No.	13179	Seq. ID	OJ991201_18.0120.C34
Gene No.	27915	Strand	+
Start	5422	End	5915
Name	OJ991201_18.0120.C34.o1.gp	Method	AAT/GAP
Start	5422	End	5915
GI	none	Score	961
Exons	5422..5915		

Seq. No.	13179	Seq. ID	OJ991201_18.0120.C34
Gene No.	27916	Strand	-
Start	1	End	2124
Name	OJ991201_18.0120.C34.o1.np	Method	AAT/NAP
Start	1	End	2124
GI	6721512	Score	49
Exons	1..68, 237..384, 412..513, 2093..2124		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	13179	Seq. ID	OJ991201_18.0120.C34
Gene No.	27917	Strand	-
Start	4557	End	5933
Name	OJ991201_18.0120.C34.o2.gs	Method	GENSCAN
Start	4557	End	5902
GI	none	Score	.57
Exons	4557..4655, 5759..5902		

Seq. No.	13179	Seq. ID	OJ991201_18.0120.C34
Gene No.	27917	Strand	-
Start	4557	End	5933
Name	OJ991201_18.0120.C34.o1.tm	Method	TBLASTX:Maize
Start	5694	End	5933
GI	none	Score	201
Exons	5694..5903, 5694..5834, 5695..5904, 5696..5905, 5711..5905, 5725..5919, 5886..5933		

Seq. No.	13180	Seq. ID	OJ991201_18.0120.C35
Gene No.	27918	Strand	-
Start	1	End	153
Name	OJ991201_18.0120.C35.o1.gp	Method	AAT/GAP
Start	1	End	153
GI	uC-osf1M202048e08b1	Score	274
Exons	1..153		
GI Descrip.	'2911040/emb|CAA17550| 4.0e-33 (AL021961) receptor protein kinase - like protein [Arabidopsis thaliana]'		

Seq. No.	13180	Seq. ID	OJ991201_18.0120.C35
Gene No.	27919	Strand	-
Start	2711	End	4172
Name	OJ991201_18.0120.C35.o1.np	Method	AAT/NAP
Start	2426	End	3534
GI	6815053	Score	723
Exons	2426..2662, 2712..2887, 3388..3534		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	13180	Seq. ID	OJ991201_18.0120.C35
Gene No.	27919	Strand	-
Start	2711	End	4172
Name	OJ991201_18.0120.C35.o1.gs	Method	GENSCAN
Start	2711	End	4172
GI	none	Score	.67
Exons	2711..2887, 4067..4172		

Seq. No.	13181	Seq. ID	OJ991201_18.0120.C36
Gene No.	27920	Strand	-
Start	1	End	4722
Name	OJ991201_18.0120.C36.o1.np	Method	AAT/NAP
Start	1	End	4722
GI	4680199	Score	200
Exons	1..84, 1006..1112, 1187..1768, 4655..4722		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	13181	Seq. ID	OJ991201_18.0120.C36
Gene No.	27920	Strand	-
Start	1	End	4722
Name	OJ991201_18.0120.C36.o1.gp	Method	AAT/GAP
Start	3772	End	4090
GI	45924_1.R1084	Score	555
Exons	3772..4090		
GI Descrip.	'6063530/dbj|AP000615.1|AP000615 2.0e-19 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01'		

Seq. No.	13181	Seq. ID	OJ991201_18.0120.C36
Gene No.	27921	Strand	-
Start	11532	End	17018
Name	OJ991201_18.0120.C36.o3.ts	Method	TBLASTX:Soybean
Start	5878	End	8065
GI	none	Score	74
Exons	5878..6000, 6064..6396, 7051..7179, 7931..7990, 8015..8065		

Seq. No.	13181	Seq. ID	OJ991201_18.0120.C36
Gene No.	27921	Strand	-
Start	11532	End	17018
Name	OJ991201_18.0120.C36.o12.tw	Method	TBLASTX:Wheat
Start	5917	End	6300
GI	none	Score	84
Exons	5917..6045, 6058..6300		

Seq. No.	13181	Seq. ID	OJ991201_18.0120.C36
Gene No.	27921	Strand	-
Start	11532	End	17018
Name	OJ991201_18.0120.C36.o6.tm	Method	TBLASTX:Maize

Start	7783	End	8143
GI	none	Score	93
Exons	7783..7875, 7792..7875, 7904..8143, 7912..7980, 8008..8136		

Seq. No.	13181	Seq. ID	OJ991201_18.0120.C36
Gene No.	27921	Strand	-
Start	11532	End	17018
Name	OJ991201_18.0120.C36.o9.tw	Method	TBLASTX:Wheat
Start	7928	End	8236
GI	none	Score	221
Exons	7928..8236, 7933..8154		

Seq. No.	13181	Seq. ID	OJ991201_18.0120.C36
Gene No.	27921	Strand	-
Start	11532	End	17018
Name	OJ991201_18.0120.C36.o5.tm	Method	TBLASTX:Maize
Start	8146	End	8512
GI	none	Score	93
Exons	8146..8277, 8147..8275, 8265..8471, 8266..8487, 8270..8512, 8282..8488		

Seq. No.	13181	Seq. ID	OJ991201_18.0120.C36
Gene No.	27921	Strand	-
Start	11532	End	17018
Name	OJ991201_18.0120.C36.o10.tw	Method	TBLASTX:Wheat
Start	8306	End	8515
GI	none	Score	201
Exons	8306..8515, 8309..8512		

Seq. No.	13181	Seq. ID	OJ991201_18.0120.C36
Gene No.	27921	Strand	-
Start	11532	End	17018
Name	OJ991201_18.0120.C36.o2.np	Method	AAT/NAP
Start	11532	End	16503
GI	4680179	Score	5574
Exons	11532..14912, 14940..15895, 16400..16503		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	13181	Seq. ID	OJ991201_18.0120.C36
Gene No.	27921	Strand	-
Start	11532	End	17018
Name	OJ991201_18.0120.C36.o6.tw	Method	TBLASTX:Wheat
Start	11577	End	11910
GI	none	Score	80
Exons	11577..11909, 11628..11759, 11629..11910		

Seq. No.	13181	Seq. ID	OJ991201_18.0120.C36
Gene No.	27921	Strand	-
Start	11532	End	17018
Name	OJ991201_18.0120.C36.o1.tm	Method	TBLASTX:Maize
Start	11772	End	12357
GI	none	Score	93
Exons	11772..12197, 11773..11919, 12037..12183, 12195..12356, 12204..12350, 12211..12357		

Seq. No.	13181	Seq. ID	OJ991201_18.0120.C36
Gene No.	27921	Strand	-

Start	11532	End	17018
Name	OJ991201_18.0120.C36.o1.tw	Method	TBLASTX:Wheat
Start	11910	End	12536
GI	none	Score	201
Exons	11910..12536, 11952..12479, 12031..12480		

Seq. No.	13181	Seq. ID	OJ991201_18.0120.C36
Gene No.	27921	Strand	-
Start	11532	End	17018
Name	OJ991201_18.0120.C36.o3.tm	Method	TBLASTX:Maize
Start	12405	End	12696
GI	none	Score	84
Exons	12405..12695, 12408..12563, 12409..12696, 12409..12696		

Seq. No.	13181	Seq. ID	OJ991201_18.0120.C36
Gene No.	27921	Strand	-
Start	11532	End	17018
Name	OJ991201_18.0120.C36.o2.ts	Method	TBLASTX:Soybean
Start	12495	End	12755
GI	none	Score	181
Exons	12495..12755, 12496..12744		

Seq. No.	13181	Seq. ID	OJ991201_18.0120.C36
Gene No.	27921	Strand	-
Start	11532	End	17018
Name	OJ991201_18.0120.C36.o1.tc	Method	TBLASTX:Cress
Start	12519	End	12845
GI	none	Score	86
Exons	12519..12662, 12520..12660, 12663..12845		

Seq. No.	13181	Seq. ID	OJ991201_18.0120.C36
Gene No.	27921	Strand	-
Start	11532	End	17018
Name	OJ991201_18.0120.C36.o2.tw	Method	TBLASTX:Wheat
Start	12543	End	13082
GI	none	Score	303
Exons	12543..13082, 12547..12900		

Seq. No.	13181	Seq. ID	OJ991201_18.0120.C36
Gene No.	27921	Strand	-
Start	11532	End	17018
Name	OJ991201_18.0120.C36.o2.tm	Method	TBLASTX:Maize
Start	13110	End	13463
GI	none	Score	203
Exons	13110..13463, 13117..13458		

Seq. No.	13181	Seq. ID	OJ991201_18.0120.C36
Gene No.	27921	Strand	-
Start	11532	End	17018
Name	OJ991201_18.0120.C36.o3.tw	Method	TBLASTX:Wheat
Start	13110	End	13535
GI	none	Score	219
Exons	13110..13460, 13110..13535, 13117..13533		

Seq. No.	13181	Seq. ID	OJ991201_18.0120.C36
Gene No.	27921	Strand	-
Start	11532	End	17018

Name	OJ991201_18.0120.C36.o4.ts	Method	TBLASTX:Soybean
Start	13281	End	13529
GI	none	Score	207
Exons	13281..13529		

Seq. No.	13181	Seq. ID	OJ991201_18.0120.C36
Gene No.	27921	Strand	-
Start	11532	End	17018
Name	OJ991201_18.0120.C36.o7.tm	Method	TBLASTX:Maize
Start	13470	End	13802
GI	none	Score	142
Exons	13470..13802, 13471..13749		

Seq. No.	13181	Seq. ID	OJ991201_18.0120.C36
Gene No.	27921	Strand	-
Start	11532	End	17018
Name	OJ991201_18.0120.C36.o5.tw	Method	TBLASTX:Wheat
Start	13536	End	13799
GI	none	Score	242
Exons	13536..13799, 13537..13797		

Seq. No.	13181	Seq. ID	OJ991201_18.0120.C36
Gene No.	27921	Strand	-
Start	11532	End	17018
Name	OJ991201_18.0120.C36.o1.ts	Method	TBLASTX:Soybean
Start	13551	End	13946
GI	none	Score	181
Exons	13551..13802, 13561..13794, 13857..13910, 13867..13908, 13914..13946, 13914..13946		

Seq. No.	13181	Seq. ID	OJ991201_18.0120.C36
Gene No.	27921	Strand	-
Start	11532	End	17018
Name	OJ991201_18.0120.C36.o4.tm	Method	TBLASTX:Maize
Start	13857	End	14300
GI	none	Score	368
Exons	13857..14300		

Seq. No.	13181	Seq. ID	OJ991201_18.0120.C36
Gene No.	27921	Strand	-
Start	11532	End	17018
Name	OJ991201_18.0120.C36.o4.tw	Method	TBLASTX:Wheat
Start	13887	End	14370
GI	none	Score	218
Exons	13887..14369, 13890..14345, 13930..14370		

Seq. No.	13181	Seq. ID	OJ991201_18.0120.C36
Gene No.	27921	Strand	-
Start	11532	End	17018
Name	OJ991201_18.0120.C36.o5.ts	Method	TBLASTX:Soybean
Start	14019	End	14333
GI	none	Score	193
Exons	14019..14333		

Seq. No.	13181	Seq. ID	OJ991201_18.0120.C36
Gene No.	27921	Strand	-
Start	11532	End	17018

Name	OJ991201_18.0120.C36.o9.tm	Method	TBLASTX:Maize
Start	14301	End	14498
GI	none	Score	103
Exons	14301..14498, 14353..14460		

Seq. No.	13181	Seq. ID	OJ991201_18.0120.C36
Gene No.	27921	Strand	-
Start	11532	End	17018
Name	OJ991201_18.0120.C36.o8.tw	Method	TBLASTX:Wheat
Start	14502	End	14856
GI	none	Score	82
Exons	14502..14855, 14716..14856		

Seq. No.	13181	Seq. ID	OJ991201_18.0120.C36
Gene No.	27921	Strand	-
Start	11532	End	17018
Name	OJ991201_18.0120.C36.o7.tw	Method	TBLASTX:Wheat
Start	15189	End	15542
GI	none	Score	77
Exons	15189..15539, 15345..15542		

Seq. No.	13181	Seq. ID	OJ991201_18.0120.C36
Gene No.	27921	Strand	-
Start	11532	End	17018
Name	OJ991201_18.0120.C36.o8.tm	Method	TBLASTX:Maize
Start	15201	End	15539
GI	none	Score	101
Exons	15201..15539, 15303..15539		

Seq. No.	13181	Seq. ID	OJ991201_18.0120.C36
Gene No.	27921	Strand	-
Start	11532	End	17018
Name	OJ991201_18.0120.C36.o11.tw	Method	TBLASTX:Wheat
Start	15586	End	15784
GI	none	Score	125
Exons	15586..15768, 15587..15784		

Seq. No.	13181	Seq. ID	OJ991201_18.0120.C36
Gene No.	27921	Strand	-
Start	11532	End	17018
Name	OJ991201_18.0120.C36.o3.np	Method	AAT/NAP
Start	16222	End	17018
GI	4512231	Score	1263
Exons	16222..17018		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	13181	Seq. ID	OJ991201_18.0120.C36
Gene No.	27921	Strand	-
Start	11532	End	17018
Name	OJ991201_18.0120.C36.o4.gs	Method	GENSCAN
Start	16224	End	17018
GI	none	Score	.98
Exons	16224..17018		

Seq. No.	13182	Seq. ID	OJ991201_18.0120.C37
Gene No.	27922	Strand	+
Start	1	End	1349

Name	OJ991201_18.0120.C37.o1.np	Method	AAT/NAP
Start	1	End	1349
GI	4416302	Score	750
Exons	1..77, 418..1349		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	13182	Seq. ID	OJ991201_18.0120.C37
Gene No.	27922	Strand	+
Start	1	End	1349
Name	OJ991201_18.0120.C37.o1.tm	Method	TBLASTX:Maize
Start	459	End	1188
GI	none	Score	109
Exons	459..533, 460..531, 531..1025, 532..1149, 920..1150, 1162..1188		

Seq. No.	13182	Seq. ID	OJ991201_18.0120.C37
Gene No.	27922	Strand	+
Start	1	End	1349
Name	OJ991201_18.0120.C37.o1.tw	Method	TBLASTX:Wheat
Start	511	End	798
GI	none	Score	266
Exons	511..789, 511..798		

Seq. No.	13182	Seq. ID	OJ991201_18.0120.C37
Gene No.	27922	Strand	+
Start	1	End	1349
Name	OJ991201_18.0120.C37.o1.ts	Method	TBLASTX:Soybean
Start	640	End	1101
GI	none	Score	308
Exons	640..1101, 669..830, 670..831, 873..1013		

Seq. No.	13182	Seq. ID	OJ991201_18.0120.C37
Gene No.	27922	Strand	+
Start	1	End	1349
Name	OJ991201_18.0120.C37.o1.tc	Method	TBLASTX:Cress
Start	682	End	1098
GI	none	Score	180
Exons	682..1098		

Seq. No.	13182	Seq. ID	OJ991201_18.0120.C37
Gene No.	27922	Strand	+
Start	1	End	1349
Name	OJ991201_18.0120.C37.o2.tw	Method	TBLASTX:Wheat
Start	883	End	1185
GI	none	Score	93
Exons	883..960, 967..1113, 976..1113, 977..1120, 1135..1185		

Seq. No.	13183	Seq. ID	OJ991201_15.0127.C1
Gene No.	27923	Strand	+
Start	1	End	4969
Name	OJ991201_15.0127.C1.o1.np	Method	AAT/NAP
Start	1	End	4969
GI	5922631	Score	194
Exons	1..34, 234..345, 1598..1768, 4942..4969		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs		

C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ

Seq. No.	13183	Seq. ID	OJ991201_15.0127.C1
Gene No.	27923	Strand	+
Start	1	End	4969
Name	OJ991201_15.0127.C1.o1.gs	Method	GENSCAN
Start	334	End	4461
GI	none	Score	.63
Exons	334..397, 663..773, 1568..1768, 2611..2768, 4015..4461		

Seq. No.	13183	Seq. ID	OJ991201_15.0127.C1
Gene No.	27923	Strand	+
Start	1	End	4969
Name	OJ991201_15.0127.C1.o2.np	Method	AAT/NAP
Start	2631	End	4069
GI	6907088	Score	1079
Exons	2631..2768, 2944..3181, 3678..4069		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	13183	Seq. ID	OJ991201_15.0127.C1
Gene No.	27923	Strand	+
Start	1	End	4969
Name	OJ991201_15.0127.C1.o3.np	Method	AAT/NAP
Start	4054	End	4969
GI	5734635	Score	288
Exons	4054..4159, 4212..4470, 4658..4969		
GI Descrip.	(AP000391) hypothetical protein [Oryza sativa]		

Seq. No.	13184	Seq. ID	OJ991201_15.0127.C2
Gene No.	27924	Strand	+
Start	184	End	4446
Name	OJ991201_15.0127.C2.o1.gs	Method	GENSCAN
Start	184	End	4446
GI	none	Score	.63
Exons	184..240, 527..812, 882..1284, 1381..2419, 2690..3013, 3113..3459, 3633..4446		

Seq. No.	13184	Seq. ID	OJ991201_15.0127.C2
Gene No.	27924	Strand	+
Start	184	End	4446
Name	OJ991201_15.0127.C2.o1.np	Method	AAT/NAP
Start	1364	End	4443
GI	5902445	Score	4897
Exons	1364..4443		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	13184	Seq. ID	OJ991201_15.0127.C2
Gene No.	27925	Strand	+
Start	6884	End	8257
Name	OJ991201_15.0127.C2.o3.np	Method	AAT/NAP
Start	6884	End	8257
GI	5922631	Score	231
Exons	6884..6915, 8063..8257		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays		

retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ

Seq. No.	13184	Seq. ID	OJ991201_15.0127.C2
Gene No.	27926	Strand	-
Start	4776	End	8303
Name	OJ991201_15.0127.C2.o6.tw	Method	TBLASTX:Wheat
Start	632	End	1309
GI	none	Score	146
Exons	632..808, 853..1089, 857..1087, 1193..1309		

Seq. No.	13184	Seq. ID	OJ991201_15.0127.C2
Gene No.	27926	Strand	-
Start	4776	End	8303
Name	OJ991201_15.0127.C2.o1.tw	Method	TBLASTX:Wheat
Start	1309	End	1765
GI	none	Score	478
Exons	1309..1764, 1310..1765		

Seq. No.	13184	Seq. ID	OJ991201_15.0127.C2
Gene No.	27926	Strand	-
Start	4776	End	8303
Name	OJ991201_15.0127.C2.o3.ts	Method	TBLASTX:Soybean
Start	1349	End	1714
GI	none	Score	134
Exons	1349..1573, 1580..1714		

Seq. No.	13184	Seq. ID	OJ991201_15.0127.C2
Gene No.	27926	Strand	-
Start	4776	End	8303
Name	OJ991201_15.0127.C2.o3.tm	Method	TBLASTX:Maize
Start	1439	End	1795
GI	none	Score	373
Exons	1439..1795, 1480..1785		

Seq. No.	13184	Seq. ID	OJ991201_15.0127.C2
Gene No.	27926	Strand	-
Start	4776	End	8303
Name	OJ991201_15.0127.C2.o2.tw	Method	TBLASTX:Wheat
Start	1880	End	2304
GI	none	Score	432
Exons	1880..2299, 1924..2304		

Seq. No.	13184	Seq. ID	OJ991201_15.0127.C2
Gene No.	27926	Strand	-
Start	4776	End	8303
Name	OJ991201_15.0127.C2.o1.ts	Method	TBLASTX:Soybean
Start	1967	End	2359
GI	none	Score	300
Exons	1967..2359, 1975..2118, 1991..2290		

Seq. No.	13184	Seq. ID	OJ991201_15.0127.C2
Gene No.	27926	Strand	-
Start	4776	End	8303

Name	OJ991201_15.0127.C2.o2.tm	Method	TBLASTX:Maize
Start	2026	End	2470
GI	none	Score	277
Exons	2026..2280, 2027..2281, 2027..2281, 2303..2446, 2444..2470		

Seq. No.	13184	Seq. ID	OJ991201_15.0127.C2
Gene No.	27926	Strand	-
Start	4776	End	8303
Name	OJ991201_15.0127.C2.o7.tw	Method	TBLASTX:Wheat
Start	2309	End	2593
GI	none	Score	272
Exons	2309..2590, 2318..2416, 2498..2593		

Seq. No.	13184	Seq. ID	OJ991201_15.0127.C2
Gene No.	27926	Strand	-
Start	4776	End	8303
Name	OJ991201_15.0127.C2.o2.ts	Method	TBLASTX:Soybean
Start	2585	End	2973
GI	none	Score	255
Exons	2585..2971, 2593..2679, 2734..2973		

Seq. No.	13184	Seq. ID	OJ991201_15.0127.C2
Gene No.	27926	Strand	-
Start	4776	End	8303
Name	OJ991201_15.0127.C2.o4.tw	Method	TBLASTX:Wheat
Start	2594	End	3016
GI	none	Score	396
Exons	2594..3016, 2599..2940		

Seq. No.	13184	Seq. ID	OJ991201_15.0127.C2
Gene No.	27926	Strand	-
Start	4776	End	8303
Name	OJ991201_15.0127.C2.o5.tm	Method	TBLASTX:Maize
Start	2648	End	2920
GI	none	Score	135
Exons	2648..2818, 2822..2920		

Seq. No.	13184	Seq. ID	OJ991201_15.0127.C2
Gene No.	27926	Strand	-
Start	4776	End	8303
Name	OJ991201_15.0127.C2.o5.tw	Method	TBLASTX:Wheat
Start	3319	End	3707
GI	none	Score	176
Exons	3319..3468, 3320..3472, 3448..3705, 3453..3629, 3514..3705, 3660..3707		

Seq. No.	13184	Seq. ID	OJ991201_15.0127.C2
Gene No.	27926	Strand	-
Start	4776	End	8303
Name	OJ991201_15.0127.C2.o1.tm	Method	TBLASTX:Maize
Start	3320	End	3675
GI	none	Score	189
Exons	3320..3472, 3334..3468, 3453..3635, 3463..3636, 3628..3675		

Seq. No.	13184	Seq. ID	OJ991201_15.0127.C2
Gene No.	27926	Strand	-
Start	4776	End	8303

Name	OJ991201_15.0127.C2.o6.tm	Method	TBLASTX:Maize
Start	3777	End	4050
GI	none	Score	99
Exons	3777..3884, 3778..3876, 3867..3941, 3871..3954, 3964..4050		

Seq. No.	13184	Seq. ID	OJ991201_15.0127.C2
Gene No.	27926	Strand	-
Start	4776	End	8303
Name	OJ991201_15.0127.C2.o3.tw	Method	TBLASTX:Wheat
Start	3820	End	4434
GI	none	Score	338
Exons	3820..4311, 3840..3926, 3981..4103, 4303..4434		

Seq. No.	13184	Seq. ID	OJ991201_15.0127.C2
Gene No.	27926	Strand	-
Start	4776	End	8303
Name	OJ991201_15.0127.C2.o4.tm	Method	TBLASTX:Maize
Start	4132	End	4395
GI	none	Score	161
Exons	4132..4314, 4254..4313, 4293..4367, 4294..4395		

Seq. No.	13184	Seq. ID	OJ991201_15.0127.C2
Gene No.	27926	Strand	-
Start	4776	End	8303
Name	OJ991201_15.0127.C2.o2.gs	Method	GENSCAN
Start	4776	End	8303
GI	none	Score	.49
Exons	4776..5227, 5477..5666, 5789..5928, 6006..6361, 6438..6454, 6498..6659, 6805..7728, 8079..8303		

Seq. No.	13184	Seq. ID	OJ991201_15.0127.C2
Gene No.	27926	Strand	-
Start	4776	End	8303
Name	OJ991201_15.0127.C2.o2.np	Method	AAT/NAP
Start	4788	End	7689
GI	6691716	Score	2485
Exons	4788..5227, 5301..5414, 5564..5666, 5741..5928, 6006..6233, 6301..6361, 6438..6626, 6814..7689		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	13184	Seq. ID	OJ991201_15.0127.C2
Gene No.	27926	Strand	-
Start	4776	End	8303
Name	OJ991201_15.0127.C2.o8.tw	Method	TBLASTX:Wheat
Start	7279	End	7596
GI	none	Score	57
Exons	7279..7596, 7280..7429		

Seq. No.	13185	Seq. ID	OJ991201_15.0127.C3
Gene No.	27927	Strand	+
Start	1	End	3100
Name	OJ991201_15.0127.C3.o1.np	Method	AAT/NAP
Start	1	End	1425
GI	5902444	Score	2070
Exons	1..1425		

GI Descrip. (AB030283) GAG-POL precursor [Oryza sativa]

Seq. No.	13185	Seq. ID	OJ991201_15.0127.C3
Gene No.	27927	Strand	+
Start	1	End	3100
Name	OJ991201_15.0127.C3.o1.gs	Method	GENSCAN
Start	46	End	3100
GI	none	Score	.51
Exons	46..1138, 1214..1410, 2960..3100		

Seq. No.	13185	Seq. ID	OJ991201_15.0127.C3
Gene No.	27928	Strand	+
Start	8239	End	8547
Name	OJ991201_15.0127.C3.o1.gp	Method	AAT/GAP
Start	8239	End	8547
GI	5816559	Score	525
Exons	8239..8547		
GI Descrip.	4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	13185	Seq. ID	OJ991201_15.0127.C3
Gene No.	27929	Strand	+
Start	9579	End	12808
Name	OJ991201_15.0127.C3.o3.gs	Method	GENSCAN
Start	9579	End	12808
GI	none	Score	.7
Exons	9579..9610, 9676..9808, 9844..10767, 10986..11143, 11225..11583, 11658..11845, 11921..12110, 12183..12287, 12360..12808		

Seq. No.	13185	Seq. ID	OJ991201_15.0127.C3
Gene No.	27929	Strand	+
Start	9579	End	12808
Name	OJ991201_15.0127.C3.o2.np	Method	AAT/NAP
Start	9883	End	12805
GI	6691716	Score	2331
Exons	9883..10767, 10965..11143, 11225..11511, 11657..11845, 11921..12020, 12171..12287, 12360..12805		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	13185	Seq. ID	OJ991201_15.0127.C3
Gene No.	27930	Strand	+
Start	19358	End	19665
Name	OJ991201_15.0127.C3.o2.gp	Method	AAT/GAP
Start	19358	End	19665
GI	5816559	Score	516
Exons	19358..19665		
GI Descrip.	4680178/gb|AF111709.1|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	13185	Seq. ID	OJ991201_15.0127.C3
Gene No.	27931	Strand	+
Start	22207	End	22649
Name	OJ991201_15.0127.C3.o6.gs	Method	GENSCAN

Start	22207	End	22649
GI	none	Score	.77
Exons	22207..22649		

Seq. No.	13185	Seq. ID	OJ991201_15.0127.C3
Gene No.	27932	Strand	-
Start	13124	End	19230
Name	OJ991201_15.0127.C3.o7.tw	Method	TBLASTX:Wheat
Start	375	End	17933
GI	none	Score	292
Exons	375..674, 376..777, 17531..17932, 17664..17933		

Seq. No.	13185	Seq. ID	OJ991201_15.0127.C3
Gene No.	27932	Strand	-
Start	13124	End	19230
Name	OJ991201_15.0127.C3.o9.tw	Method	TBLASTX:Wheat
Start	10003	End	10293
GI	none	Score	209
Exons	10003..10293		

Seq. No.	13185	Seq. ID	OJ991201_15.0127.C3
Gene No.	27932	Strand	-
Start	13124	End	19230
Name	OJ991201_15.0127.C3.o4.gs	Method	GENSCAN
Start	13124	End	17818
GI	none	Score	.82
Exons	13124..16205, 16302..17818		

Seq. No.	13185	Seq. ID	OJ991201_15.0127.C3
Gene No.	27932	Strand	-
Start	13124	End	19230
Name	OJ991201_15.0127.C3.o5.tw	Method	TBLASTX:Wheat
Start	13136	End	13750
GI	none	Score	80
Exons	13136..13273, 13259..13417, 13472..13750, 13488..13589, 13641..13730		

Seq. No.	13185	Seq. ID	OJ991201_15.0127.C3
Gene No.	27932	Strand	-
Start	13124	End	19230
Name	OJ991201_15.0127.C3.o3.np	Method	AAT/NAP
Start	13160	End	19230
GI	5922631	Score	6708
Exons	13160..15687, 16294..17217, 17344..17495, 17538..18102, 18144..18353, 18603..18847, 19106..19230		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	13185	Seq. ID	OJ991201_15.0127.C3
Gene No.	27932	Strand	-
Start	13124	End	19230
Name	OJ991201_15.0127.C3.o4.tm	Method	TBLASTX:Maize

Start	13175	End	13408
GI	none	Score	100
Exons	13175..13276, 13176..13277, 13256..13408		

Seq. No.	13185	Seq. ID	OJ991201_15.0127.C3
Gene No.	27932	Strand	-
Start	13124	End	19230
Name	OJ991201_15.0127.C3.o6.tm	Method	TBLASTX:Maize
Start	13520	End	13793
GI	none	Score	56
Exons	13520..13606, 13616..13699, 13629..13703, 13686..13793, 13694..13792		

Seq. No.	13185	Seq. ID	OJ991201_15.0127.C3
Gene No.	27932	Strand	-
Start	13124	End	19230
Name	OJ991201_15.0127.C3.o3.tw	Method	TBLASTX:Wheat
Start	13863	End	14252
GI	none	Score	55
Exons	13863..13910, 13865..14056, 13865..14251, 13941..14252		

Seq. No.	13185	Seq. ID	OJ991201_15.0127.C3
Gene No.	27932	Strand	-
Start	13124	End	19230
Name	OJ991201_15.0127.C3.o1.tm	Method	TBLASTX:Maize
Start	13895	End	14258
GI	none	Score	67
Exons	13895..13942, 13896..13943, 13934..14257, 13947..14258		

Seq. No.	13185	Seq. ID	OJ991201_15.0127.C3
Gene No.	27932	Strand	-
Start	13124	End	19230
Name	OJ991201_15.0127.C3.o10.tw	Method	TBLASTX:Wheat
Start	14255	End	14554
GI	none	Score	134
Exons	14255..14395, 14420..14554		

Seq. No.	13185	Seq. ID	OJ991201_15.0127.C3
Gene No.	27932	Strand	-
Start	13124	End	19230
Name	OJ991201_15.0127.C3.o4.tw	Method	TBLASTX:Wheat
Start	14570	End	14992
GI	none	Score	260
Exons	14570..14992, 14580..14984		

Seq. No.	13185	Seq. ID	OJ991201_15.0127.C3
Gene No.	27932	Strand	-
Start	13124	End	19230
Name	OJ991201_15.0127.C3.o2.ts	Method	TBLASTX:Soybean
Start	14613	End	15001
GI	none	Score	156
Exons	14613..14993, 14615..14857, 14897..15001		

Seq. No.	13185	Seq. ID	OJ991201_15.0127.C3
Gene No.	27932	Strand	-
Start	13124	End	19230
Name	OJ991201_15.0127.C3.o5.tm	Method	TBLASTX:Maize

Start	14666	End	14939
GI	none	Score	60
Exons	14666..14764, 14667..14732, 14768..14929, 14769..14939		

Seq. No.	13185	Seq. ID	OJ991201_15.0127.C3
Gene No.	27932	Strand	-
Start	13124	End	19230
Name	OJ991201_15.0127.C3.o8.tw	Method	TBLASTX:Wheat
Start	14992	End	15278
GI	none	Score	91
Exons	14992..15090, 14993..15268, 14996..15277, 15201..15278		

Seq. No.	13185	Seq. ID	OJ991201_15.0127.C3
Gene No.	27932	Strand	-
Start	13124	End	19230
Name	OJ991201_15.0127.C3.o3.tm	Method	TBLASTX:Maize
Start	15116	End	15560
GI	none	Score	86
Exons	15116..15142, 15140..15283, 15153..15284, 15288..15524, 15305..15559, 15306..15560		

Seq. No.	13185	Seq. ID	OJ991201_15.0127.C3
Gene No.	27932	Strand	-
Start	13124	End	19230
Name	OJ991201_15.0127.C3.o1.ts	Method	TBLASTX:Soybean
Start	15227	End	15658
GI	none	Score	52
Exons	15227..15658, 15261..15431, 15468..15611		

Seq. No.	13185	Seq. ID	OJ991201_15.0127.C3
Gene No.	27932	Strand	-
Start	13124	End	19230
Name	OJ991201_15.0127.C3.o2.tw	Method	TBLASTX:Wheat
Start	15282	End	15706
GI	none	Score	303
Exons	15282..15662, 15282..15641, 15287..15706		

Seq. No.	13185	Seq. ID	OJ991201_15.0127.C3
Gene No.	27932	Strand	-
Start	13124	End	19230
Name	OJ991201_15.0127.C3.o2.tm	Method	TBLASTX:Maize
Start	15791	End	16147
GI	none	Score	210
Exons	15791..16147, 15801..16106		

Seq. No.	13185	Seq. ID	OJ991201_15.0127.C3
Gene No.	27932	Strand	-
Start	13124	End	19230
Name	OJ991201_15.0127.C3.o1.tw	Method	TBLASTX:Wheat
Start	15821	End	16277
GI	none	Score	271
Exons	15821..16276, 15822..16277		

Seq. No.	13185	Seq. ID	OJ991201_15.0127.C3
Gene No.	27932	Strand	-
Start	13124	End	19230
Name	OJ991201_15.0127.C3.o3.ts	Method	TBLASTX:Soybean

Start	15872	End	16237
GI	none	Score	138
Exons	15872..16006, 16013..16237		

Seq. No.	13185	Seq. ID	OJ991201_15.0127.C3
Gene No.	27932	Strand	-
Start	13124	End	19230
Name	OJ991201_15.0127.C3.o6.tw	Method	TBLASTX:Wheat
Start	16485	End	16954
GI	none	Score	152
Exons	16485..16718, 16497..16733, 16499..16729, 16778..16891, 16778..16954		

Seq. No.	13185	Seq. ID	OJ991201_15.0127.C3
Gene No.	27932	Strand	-
Start	13124	End	19230
Name	OJ991201_15.0127.C3.o5.gs	Method	GENSCAN
Start	17968	End	19230
GI	none	Score	.99
Exons	17968..19230		

Seq. No.	13186	Seq. ID	OJ991201_15.0127.C4
Gene No.	27933	Strand	+
Start	203	End	3660
Name	OJ991201_15.0127.C4.o1.gs	Method	GENSCAN
Start	203	End	3660
GI	none	Score	.94
Exons	203..552, 2222..2282, 2995..3660		

Seq. No.	13186	Seq. ID	OJ991201_15.0127.C4
Gene No.	27934	Strand	+
Start	6135	End	9055
Name	OJ991201_15.0127.C4.o2.gs	Method	GENSCAN
Start	6135	End	9055
GI	none	Score	.54
Exons	6135..6179, 6745..7244, 7271..8204, 8301..8411, 8675..8840, 8955..9055		

Seq. No.	13186	Seq. ID	OJ991201_15.0127.C4
Gene No.	27934	Strand	+
Start	6135	End	9055
Name	OJ991201_15.0127.C4.o1.np	Method	AAT/NAP
Start	6786	End	8411
GI	5596481	Score	1132
Exons	6786..7364, 7419..8204, 8301..8411		
GI Descrip.	(AL096882) putative protein [Arabidopsis thaliana]		

Seq. No.	13186	Seq. ID	OJ991201_15.0127.C4
Gene No.	27935	Strand	+
Start	9765	End	12662
Name	OJ991201_15.0127.C4.o3.gs	Method	GENSCAN
Start	9765	End	12632
GI	none	Score	.99
Exons	9765..12632		

Seq. No.	13186	Seq. ID	OJ991201_15.0127.C4
Gene No.	27935	Strand	+

Start	9765	End	12662
Name	OJ991201_15.0127.C4.o2.np	Method	AAT/NAP
Start	10053	End	12662
GI	2642445	Score	1205
Exons	10053..10627, 10676..12662		
GI Descrip.	(AC002391) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	13186	Seq. ID	OJ991201_15.0127.C4
Gene No.	27935	Strand	+
Start	9765	End	12662
Name	OJ991201_15.0127.C4.o3.gp	Method	AAT/GAP
Start	11254	End	11710
GI	uC-osroM202023d09b1	Score	910
Exons	11254..11710		
GI Descrip.	'5679841/emb|CAB51834.1| 3.0e-09 (AJ243961) contains eukaryotic protein kinase domain PF_00069 [Oryza sativa]'		

Seq. No.	13186	Seq. ID	OJ991201_15.0127.C4
Gene No.	27936	Strand	+
Start	13985	End	14176
Name	OJ991201_15.0127.C4.o5.gp	Method	AAT/GAP
Start	13985	End	14176
GI	44731_1.R1084	Score	364
Exons	13985..14176		
GI Descrip.	'1644291/emb|CAA97692| 7.0e-11 (Z73295) receptor-like protein kinase [Catharanthus roseus]'		

Seq. No.	13186	Seq. ID	OJ991201_15.0127.C4
Gene No.	27937	Strand	-
Start	3673	End	4095
Name	OJ991201_15.0127.C4.o2.gp	Method	AAT/GAP
Start	3673	End	4095
GI	none	Score	830
Exons	3673..4095		

Seq. No.	13186	Seq. ID	OJ991201_15.0127.C4
Gene No.	27938	Strand	-
Start	12559	End	12939
Name	OJ991201_15.0127.C4.o4.gp	Method	AAT/GAP
Start	12559	End	12939
GI	none	Score	762
Exons	12559..12939		

Seq. No.	13186	Seq. ID	OJ991201_15.0127.C4
Gene No.	27939	Strand	-
Start	13680	End	14033
Name	OJ991201_15.0127.C4.o3.ts	Method	TBLASTX:Soybean
Start	167	End	3072
GI	none	Score	48
Exons	167..301, 296..553, 304..555, 413..565, 2222..2326, 2223..2288, 2992..3072, 2994..3056		

Seq. No.	13186	Seq. ID	OJ991201_15.0127.C4
Gene No.	27939	Strand	-
Start	13680	End	14033
Name	OJ991201_15.0127.C4.o4.tc	Method	TBLASTX:Cress
Start	167	End	3072

GI	none	Score	113
Exons	167..364, 175..366, 385..555, 386..553, 2222..2326, 2223..2288, 2992..3072, 2994..3056		

Seq. No.	13186	Seq. ID	OJ991201_15.0127.C4
Gene No.	27939	Strand	-
Start	13680	End	14033
Name	OJ991201_15.0127.C4.o4.tm	Method	TBLASTX:Maize
Start	172	End	2264
GI	none	Score	288
Exons	172..462, 173..463, 428..553, 460..555, 2223..2264		

Seq. No.	13186	Seq. ID	OJ991201_15.0127.C4
Gene No.	27939	Strand	-
Start	13680	End	14033
Name	OJ991201_15.0127.C4.o2.tc	Method	TBLASTX:Cress
Start	7036	End	7601
GI	none	Score	148
Exons	7036..7176, 7068..7166, 7251..7511, 7265..7450, 7506..7601		

Seq. No.	13186	Seq. ID	OJ991201_15.0127.C4
Gene No.	27939	Strand	-
Start	13680	End	14033
Name	OJ991201_15.0127.C4.o2.ts	Method	TBLASTX:Soybean
Start	7398	End	8036
GI	none	Score	292
Exons	7398..7646, 7404..7544, 7559..7630, 7632..7751, 7640..7750, 7796..8035, 7797..8036		

Seq. No.	13186	Seq. ID	OJ991201_15.0127.C4
Gene No.	27939	Strand	-
Start	13680	End	14033
Name	OJ991201_15.0127.C4.o5.tm	Method	TBLASTX:Maize
Start	7464	End	7670
GI	none	Score	186
Exons	7464..7670, 7550..7669		

Seq. No.	13186	Seq. ID	OJ991201_15.0127.C4
Gene No.	27939	Strand	-
Start	13680	End	14033
Name	OJ991201_15.0127.C4.o2.tm	Method	TBLASTX:Maize
Start	7671	End	8087
GI	none	Score	483
Exons	7671..8087, 7676..8041		

Seq. No.	13186	Seq. ID	OJ991201_15.0127.C4
Gene No.	27939	Strand	-
Start	13680	End	14033
Name	OJ991201_15.0127.C4.o5.tc	Method	TBLASTX:Cress
Start	7896	End	8333
GI	none	Score	269
Exons	7896..8177, 7901..8035, 8162..8203, 8163..8204, 8298..8333, 8300..8332		

Seq. No.	13186	Seq. ID	OJ991201_15.0127.C4
Gene No.	27939	Strand	-
Start	13680	End	14033

Name	OJ991201_15.0127.C4.o3.tm	Method	TBLASTX:Maize
Start	10476	End	10864
GI	none	Score	230
Exons	10476..10685, 10478..10693, 10677..10862, 10679..10861, 10748..10864		

Seq. No.	13186	Seq. ID	OJ991201_15.0127.C4
Gene No.	27939	Strand	-
Start	13680	End	14033
Name	OJ991201_15.0127.C4.o1.tm	Method	TBLASTX:Maize
Start	11577	End	12482
GI	none	Score	340
Exons	11577..11882, 11582..11875, 11888..12208, 11889..12455, 12159..12482		

Seq. No.	13186	Seq. ID	OJ991201_15.0127.C4
Gene No.	27939	Strand	-
Start	13680	End	14033
Name	OJ991201_15.0127.C4.o1.ts	Method	TBLASTX:Soybean
Start	11580	End	12482
GI	none	Score	1053
Exons	11580..12482, 11582..12475		

Seq. No.	13186	Seq. ID	OJ991201_15.0127.C4
Gene No.	27939	Strand	-
Start	13680	End	14033
Name	OJ991201_15.0127.C4.o1.tc	Method	TBLASTX:Cress
Start	11592	End	12146
GI	none	Score	89
Exons	11592..11684, 11594..11683, 11681..12112, 11682..12146, 12098..12133		

Seq. No.	13186	Seq. ID	OJ991201_15.0127.C4
Gene No.	27939	Strand	-
Start	13680	End	14033
Name	OJ991201_15.0127.C4.o1.tw	Method	TBLASTX:Wheat
Start	11748	End	12131
GI	none	Score	203
Exons	11748..11894, 11750..11893, 11879..12016, 11886..12020, 12023..12130, 12024..12131		

Seq. No.	13186	Seq. ID	OJ991201_15.0127.C4
Gene No.	27939	Strand	-
Start	13680	End	14033
Name	OJ991201_15.0127.C4.o3.tc	Method	TBLASTX:Cress
Start	12147	End	12457
GI	none	Score	320
Exons	12147..12452, 12149..12457		

Seq. No.	13186	Seq. ID	OJ991201_15.0127.C4
Gene No.	27939	Strand	-
Start	13680	End	14033
Name	OJ991201_15.0127.C4.o2.tw	Method	TBLASTX:Wheat
Start	12335	End	12455
GI	none	Score	80
Exons	12335..12439, 12335..12448, 12336..12449, 12336..12455		

Seq. No.	13186	Seq. ID	OJ991201_15.0127.C4
Gene No.	27939	Strand	-
Start	13680	End	14033
Name	OJ991201_15.0127.C4.o4.gs	Method	GENSCAN
Start	13680	End	14033
GI	none	Score	.43
Exons	13680..14033		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27940	Strand	+
Start	1	End	3232
Name	OJ991201_15.0127.C5.o1.gp	Method	AAT/GAP
Start	1	End	243
GI	44731_1.R1084	Score	451
Exons	1..243		
GI Descrip.	'1644291/emb|CAA97692| 7.0e-11 (Z73295) receptor-like protein kinase [Catharanthus roseus]'		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27940	Strand	+
Start	1	End	3232
Name	OJ991201_15.0127.C5.o1.np	Method	AAT/NAP
Start	1	End	3232
GI	4914423	Score	409
Exons	1..1013, 3209..3232		
GI Descrip.	(AL050351) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27940	Strand	+
Start	1	End	3232
Name	OJ991201_15.0127.C5.o1.gs	Method	GENSCAN
Start	63	End	1157
GI	none	Score	.73
Exons	63..1157		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27941	Strand	+
Start	9439	End	10344
Name	OJ991201_15.0127.C5.o3.gs	Method	GENSCAN
Start	9439	End	10344
GI	none	Score	.57
Exons	9439..10344		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27942	Strand	+
Start	19304	End	23269
Name	OJ991201_15.0127.C5.o2.np	Method	AAT/NAP
Start	19304	End	23269
GI	6850840	Score	1262
Exons	19304..19420, 20531..20755, 21909..22029, 22142..22316, 22412..22482, 22581..23269		
GI Descrip.	(AL132962) putative protein [Arabidopsis thaliana]		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27942	Strand	+
Start	19304	End	23269

Name	OJ991201_15.0127.C5.o4.gp	Method	AAT/GAP
Start	20098	End	20630
GI	none	Score	805
Exons	20098..20340, 20453..20630		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27942	Strand	+
Start	19304	End	23269
Name	OJ991201_15.0127.C5.o6.gs	Method	GENSCAN
Start	20317	End	23263
GI	none	Score	.9
Exons	20317..20340, 20453..20755, 21909..22029, 22142..22316, 22322..22482, 22581..23263		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27942	Strand	+
Start	19304	End	23269
Name	OJ991201_15.0127.C5.o5.gp	Method	AAT/GAP
Start	21881	End	22651
GI	uC-osflcyp086g06b1	Score	779
Exons	21881..22029, 22142..22316, 22412..22482, 22581..22651		
GI Descrip.	'3738338 9.0e-52 (AC005170) putative polygalacturonase [Arabidopsis thaliana]'		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27943	Strand	+
Start	26073	End	26419
Name	OJ991201_15.0127.C5.o8.gp	Method	AAT/GAP
Start	26073	End	26419
GI	none	Score	633
Exons	26073..26419		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27944	Strand	+
Start	30514	End	38334
Name	OJ991201_15.0127.C5.o9.gs	Method	GENSCAN
Start	30514	End	38096
GI	none	Score	.78
Exons	30514..30577, 30736..30916, 34713..34845, 35302..35386, 35493..35572, 35766..35893, 35957..36044, 36182..36272, 36707..36876, 37146..37433, 37522..37638, 37919..37971, 38024..38096		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27944	Strand	+
Start	30514	End	38334
Name	OJ991201_15.0127.C5.o5.np	Method	AAT/NAP
Start	34768	End	37981
GI	6692106	Score	601
Exons	34768..34845, 35302..35386, 35493..35659, 35794..35893, 35978..36051, 36210..36250, 36657..36880, 37117..37433, 37516..37638, 37919..37981		
GI Descrip.	(AC007764) F22C12.25 [Arabidopsis thaliana]		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27944	Strand	+
Start	30514	End	38334

Name	OJ991201_15.0127.C5.o9.gp	Method	AAT/GAP
Start	36162	End	38334
GI	4681_1.R1084	Score	2008
Exons	36162..36272, 36707..36876, 37146..37433, 37522..37638, 37919..38334		
GI Descrip.	'2632252/emb|CAA73067| 4.0e-18 (Y12464) serine/threonine kinase [Sorghum bicolor]'		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27945	Strand	+
Start	38794	End	39113
Name	OJ991201_15.0127.C5.o6.np	Method	AAT/NAP
Start	38794	End	39113
GI	81286	Score	65
Exons	38794..39113		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27946	Strand	+
Start	39396	End	39977
Name	OJ991201_15.0127.C5.o10.gp	Method	AAT/GAP
Start	39396	End	39977
GI	LIB3474-010-P1-K1-H10	Score	538
Exons	39396..39471, 39576..39653, 39800..39977		
GI Descrip.	'3702338 2.0e-15 (AC005397) unknown protein [Arabidopsis thaliana]'		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27947	Strand	+
Start	40679	End	41483
Name	OJ991201_15.0127.C5.o11.gp	Method	AAT/GAP
Start	40679	End	41483
GI	24037_1.R1084	Score	636
Exons	40679..40779, 40864..40964, 41341..41483		
GI Descrip.	'3702338 1.0e-38 (AC005397) unknown protein [Arabidopsis thaliana]'		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27948	Strand	-
Start	973	End	1429
Name	OJ991201_15.0127.C5.o2.gp	Method	AAT/GAP
Start	973	End	1429
GI	uC-osrocyp006h05a1	Score	902
Exons	973..1429		
GI Descrip.	'4680189/gb|AF111710.1|AF111710 7.0e-33 Oryza sativa subsp. indica putative dnaJ-like protein, putative myb-related protein, putative farnesyl pyrophosphate synthase, and hypothetical protein genes, complete cds'		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27949	Strand	-
Start	12099	End	15639
Name	OJ991201_15.0127.C5.o4.gs	Method	GENSCAN
Start	12099	End	15639
GI	none	Score	.5
Exons	12099..12269, 13646..14100, 14809..14828, 15184..15555,		

15605..15639

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27950	Strand	-
Start	22963	End	23374
Name	OJ991201_15.0127.C5.o6.gp	Method	AAT/GAP
Start	22963	End	23374
GI	37628_1.R1084	Score	737
Exons	22963..23374		
GI Descrip.	'3738338 6.0e-11 (AC005170) putative polygalacturonase [Arabidopsis thaliana]'		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27951	Strand	-
Start	23594	End	25116
Name	OJ991201_15.0127.C5.o7.gp	Method	AAT/GAP
Start	23438	End	24973
GI	904_1.R1084	Score	1911
Exons	23438..23929, 24321..24521, 24655..24973		
GI Descrip.	'3777600 1.0e-131 (AF095708) 50S ribosomal protein L5 [Oryza sativa]'		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27951	Strand	-
Start	23594	End	25116
Name	OJ991201_15.0127.C5.o7.gs	Method	GENSCAN
Start	23594	End	25116
GI	none	Score	.69
Exons	23594..23929, 24321..24521, 24655..25116		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27951	Strand	-
Start	23594	End	25116
Name	OJ991201_15.0127.C5.o3.np	Method	AAT/NAP
Start	23597	End	24960
GI	3777600	Score	1356
Exons	23597..23929, 24321..24521, 24655..24960		
GI Descrip.	(AF095708) 50S ribosomal protein L5 [Oryza sativa]		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27952	Strand	-
Start	26311	End	30465
Name	OJ991201_15.0127.C5.o8.gs	Method	GENSCAN
Start	26311	End	28709
GI	none	Score	.78
Exons	26311..26400, 26700..26756, 26880..27005, 27939..28145, 28230..28709		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27952	Strand	-
Start	26311	End	30465
Name	OJ991201_15.0127.C5.o4.np	Method	AAT/NAP
Start	26326	End	30465
GI	2956717	Score	789
Exons	26326..26400, 26700..26756, 26880..27005, 27939..28145, 28230..28288, 28394..28547, 29400..29463, 30378..30465		
GI Descrip.	(Y09722) beta-carotene hydroxylase 2 [Capsicum annuum]		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27953	Strand	-
Start	38709	End	46790
Name	OJ991201_15.0127.C5.o1.tm	Method	TBLASTX:Maize
Start	131	End	1332
GI	none	Score	1189
Exons	131..970, 135..971, 594..977, 984..1202, 985..1203, 986..1204, 986..1204, 1239..1259, 1243..1281, 1246..1332		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27953	Strand	-
Start	38709	End	46790
Name	OJ991201_15.0127.C5.o2.ts	Method	TBLASTX:Soybean
Start	309	End	944
GI	none	Score	142
Exons	309..449, 336..452, 530..580, 531..587, 590..919, 594..944		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27953	Strand	-
Start	38709	End	46790
Name	OJ991201_15.0127.C5.o5.tc	Method	TBLASTX:Cress
Start	20534	End	20755
GI	none	Score	235
Exons	20534..20755, 20545..20748		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27953	Strand	-
Start	38709	End	46790
Name	OJ991201_15.0127.C5.o1.ts	Method	TBLASTX:Soybean
Start	20534	End	23173
GI	none	Score	237
Exons	20534..20761, 20554..20760, 21885..22031, 21888..22031, 22135..22311, 22141..22320, 22398..22481, 22409..22480, 22579..23169, 22580..23173		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27953	Strand	-
Start	38709	End	46790
Name	OJ991201_15.0127.C5.o2.tm	Method	TBLASTX:Maize
Start	20623	End	23086
GI	none	Score	106
Exons	20623..20751, 20636..20752, 21921..22031, 22135..22317, 22141..22320, 22398..22508, 22433..22480, 22579..22716, 22580..23086, 22741..22791, 22825..22869, 22915..23082		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27953	Strand	-
Start	38709	End	46790
Name	OJ991201_15.0127.C5.o3.tc	Method	TBLASTX:Cress
Start	21902	End	22481
GI	none	Score	64
Exons	21902..22018, 21927..22025, 22138..22317, 22398..22481		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27953	Strand	-
Start	38709	End	46790

Name	OJ991201_15.0127.C5.o1.tw	Method	TBLASTX:Wheat
Start	21921	End	22451
GI	none	Score	136
Exons	21921..22031, 22119..22190, 22135..22314, 22413..22451		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27953	Strand	-
Start	38709	End	46790
Name	OJ991201_15.0127.C5.o6.tc	Method	TBLASTX:Cress
Start	22579	End	22876
GI	none	Score	186
Exons	22579..22854, 22580..22783, 22823..22876		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27953	Strand	-
Start	38709	End	46790
Name	OJ991201_15.0127.C5.o2.tw	Method	TBLASTX:Wheat
Start	22832	End	23128
GI	none	Score	195
Exons	22832..23128		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27953	Strand	-
Start	38709	End	46790
Name	OJ991201_15.0127.C5.o1.tc	Method	TBLASTX:Cress
Start	22888	End	23181
GI	none	Score	350
Exons	22888..22929, 22889..23173, 22889..23146, 22954..23181		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27953	Strand	-
Start	38709	End	46790
Name	OJ991201_15.0127.C5.o7.tm	Method	TBLASTX:Maize
Start	23087	End	23265
GI	none	Score	274
Exons	23087..23263, 23095..23262, 23119..23265		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27953	Strand	-
Start	38709	End	46790
Name	OJ991201_15.0127.C5.o3.tm	Method	TBLASTX:Maize
Start	23493	End	24480
GI	none	Score	392
Exons	23493..23534, 23600..23932, 23604..23927, 23609..23929, 24289..24480, 24304..24471, 24318..24479		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27953	Strand	-
Start	38709	End	46790
Name	OJ991201_15.0127.C5.o2.tc	Method	TBLASTX:Cress
Start	23592	End	24772
GI	none	Score	42
Exons	23592..23651, 23594..23665, 23675..23929, 23745..23930, 24303..24545, 24316..24522, 24432..24533, 24652..24771, 24653..24772		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5

Gene No.	27953	Strand	-
Start	38709	End	46790
Name	OJ991201_15.0127.C5.o3.ts	Method	TBLASTX:Soybean
Start	23594	End	24772
GI	none	Score	180
Exons	23594..23617, 23600..23929, 23601..23915, 23621..23932, 24289..24522, 24303..24524, 24652..24747, 24652..24771, 24653..24772		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27953	Strand	-
Start	38709	End	46790
Name	OJ991201_15.0127.C5.o8.tm	Method	TBLASTX:Maize
Start	24483	End	24987
GI	none	Score	58
Exons	24483..24524, 24487..24522, 24643..24741, 24652..24771, 24653..24772, 24653..24802, 24898..24987, 24902..24961		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27953	Strand	-
Start	38709	End	46790
Name	OJ991201_15.0127.C5.o5.ts	Method	TBLASTX:Soybean
Start	26695	End	28137
GI	none	Score	72
Exons	26695..26745, 26700..26759, 26700..26759, 26877..27005, 26878..27006, 27931..28137, 27939..28094		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27953	Strand	-
Start	38709	End	46790
Name	OJ991201_15.0127.C5.o4.tc	Method	TBLASTX:Cress
Start	26698	End	28503
GI	none	Score	88
Exons	26698..26754, 26698..26754, 26700..26759, 26877..27005, 26878..27006, 27931..28089, 27939..28091, 28093..28152, 28227..28286, 28228..28287, 28384..28503, 28389..28502		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27953	Strand	-
Start	38709	End	46790
Name	OJ991201_15.0127.C5.o4.tm	Method	TBLASTX:Maize
Start	26698	End	28503
GI	none	Score	79
Exons	26698..26757, 26700..26759, 26700..26759, 26877..27005, 26880..27002, 26884..27006, 27931..28152, 27939..28151, 28227..28295, 28228..28293, 28243..28302, 28389..28502, 28390..28503		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27953	Strand	-
Start	38709	End	46790
Name	OJ991201_15.0127.C5.o6.tm	Method	TBLASTX:Maize
Start	34737	End	38167
GI	none	Score	128
Exons	34737..34853, 34768..34845, 35295..35384, 35300..35401, 35305..35406, 35329..35391, 35488..35571, 35492..35572, 35492..35572, 35792..35893, 35814..35894, 35970..36062,		

35976..36047, 36158..36271, 36182..36268, 36186..36284,
36687..36800, 36701..36799, 36703..36801, 36787..36876,
36800..36886, 36807..36878, 37122..37244, 37137..37268,
37144..37404, 37144..37266, 37145..37267, 37361..37432,
37387..37434, 37393..37434, 37483..37626, 37519..37644,
37521..37640, 37900..37974, 37910..37975, 37916..37975,
37924..37974, 38066..38167

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27953	Strand	-
Start	38709	End	46790
Name	OJ991201_15.0127.C5.o10.gs	Method	GENSCAN
Start	38709	End	46790
GI	none	Score	.42
Exons	38709..39176, 43408..43463, 43690..43848, 43994..44143, 46715..46790		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27953	Strand	-
Start	38709	End	46790
Name	OJ991201_15.0127.C5.o4.ts	Method	TBLASTX:Soybean
Start	40328	End	40943
GI	none	Score	66
Exons	40328..40381, 40417..40518, 40417..40548, 40439..40552, 40660..40782, 40665..40781, 40863..40943, 40864..40941		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27953	Strand	-
Start	38709	End	46790
Name	OJ991201_15.0127.C5.o5.tm	Method	TBLASTX:Maize
Start	40404	End	40941
GI	none	Score	198
Exons	40404..40553, 40412..40555, 40429..40554, 40647..40781, 40656..40781, 40657..40782, 40863..40940, 40863..40940, 40864..40941		

Seq. No.	13187	Seq. ID	OJ991201_15.0127.C5
Gene No.	27953	Strand	-
Start	38709	End	46790
Name	OJ991201_15.0127.C5.o12.gp	Method	AAT/GAP
Start	42942	End	43186
GI	8022_1.R1084	Score	322
Exons	42942..43186		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-37 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	13188	Seq. ID	OJ991201_15.0127.C6
Gene No.	27954	Strand	+
Start	1	End	3266
Name	OJ991201_15.0127.C6.o1.np	Method	AAT/NAP
Start	1	End	3096
GI	2505874	Score	1237
Exons	1..417, 1154..1258, 1350..1472, 2308..2478, 2563..2692, 2772..3096		
GI Descrip.	(Y12776) putative kinase [Arabidopsis thaliana]		

Seq. No.	13188	Seq. ID	OJ991201_15.0127.C6

Gene No.	27954	Strand	+
Start	1	End	3266
Name	OJ991201_15.0127.C6.o1.gs	Method	GENSCAN
Start	48	End	3163
GI	none	Score	.81
Exons	48..417, 1154..1258, 1350..1472, 2308..2478, 2563..2692, 2772..2981, 3075..3163		

Seq. No.	13188	Seq. ID	OJ991201_15.0127.C6
Gene No.	27954	Strand	+
Start	1	End	3266
Name	OJ991201_15.0127.C6.o3.tc	Method	TBLASTX:Cress
Start	172	End	424
GI	none	Score	268
Exons	172..270, 212..418, 266..424		

Seq. No.	13188	Seq. ID	OJ991201_15.0127.C6
Gene No.	27954	Strand	+
Start	1	End	3266
Name	OJ991201_15.0127.C6.o2.tm	Method	TBLASTX:Maize
Start	184	End	1259
GI	none	Score	56
Exons	184..231, 197..232, 238..411, 244..279, 245..418, 260..427, 297..428, 1151..1258, 1152..1259, 1152..1259		

Seq. No.	13188	Seq. ID	OJ991201_15.0127.C6
Gene No.	27954	Strand	+
Start	1	End	3266
Name	OJ991201_15.0127.C6.o2.ts	Method	TBLASTX:Soybean
Start	245	End	415
GI	none	Score	223
Exons	245..415		

Seq. No.	13188	Seq. ID	OJ991201_15.0127.C6
Gene No.	27954	Strand	+
Start	1	End	3266
Name	OJ991201_15.0127.C6.o1.ts	Method	TBLASTX:Soybean
Start	1119	End	2972
GI	none	Score	192
Exons	1119..1259, 1151..1258, 1345..1464, 1346..1465, 1347..1487, 1348..1488, 2309..2485, 2309..2476, 2335..2484, 2561..2644, 2563..2697, 2564..2695, 2760..2939, 2769..2939, 2916..2972		

Seq. No.	13188	Seq. ID	OJ991201_15.0127.C6
Gene No.	27954	Strand	+
Start	1	End	3266
Name	OJ991201_15.0127.C6.o2.tc	Method	TBLASTX:Cress
Start	1151	End	2485
GI	none	Score	181
Exons	1151..1252, 1152..1259, 1345..1470, 1346..1435, 1347..1451, 1348..1488, 2309..2485, 2310..2450, 2335..2484		

Seq. No.	13188	Seq. ID	OJ991201_15.0127.C6
Gene No.	27954	Strand	+
Start	1	End	3266
Name	OJ991201_15.0127.C6.o1.tm	Method	TBLASTX:Maize
Start	1354	End	3266

GI	none	Score	217
Exons	1354..1488, 1354..1488, 2306..2413, 2307..2420, 2309..2431, 2310..2414, 2335..2460, 2410..2481, 2410..2484, 2417..2485, 2564..2695, 2564..2695, 2565..2696, 2566..2697, 2769..2981, 2769..2966, 2833..3000, 3075..3095, 3098..3160, 3099..3167, 3201..3266, 3202..3246		

Seq. No.	13188	Seq. ID	OJ991201_15.0127.C6
Gene No.	27954	Strand	+
Start	1	End	3266
Name	OJ991201_15.0127.C6.o1.gp	Method	AAT/GAP
Start	1379	End	2889
GI	20801_1.R1084	Score	933
Exons	1379..1472, 2308..2478, 2563..2692, 2772..2889		
GI Descrip.	'2505874/emb|CAA73303| 1.0e-75 (Y12776) putative kinase [Arabidopsis thaliana]'		

Seq. No.	13188	Seq. ID	OJ991201_15.0127.C6
Gene No.	27954	Strand	+
Start	1	End	3266
Name	OJ991201_15.0127.C6.o1.tw	Method	TBLASTX:Wheat
Start	2309	End	2695
GI	none	Score	175
Exons	2309..2485, 2315..2413, 2335..2478, 2564..2695, 2572..2667		

Seq. No.	13188	Seq. ID	OJ991201_15.0127.C6
Gene No.	27954	Strand	+
Start	1	End	3266
Name	OJ991201_15.0127.C6.o1.tc	Method	TBLASTX:Cress
Start	2575	End	2985
GI	none	Score	164
Exons	2575..2691, 2576..2692, 2769..2981, 2873..2935, 2905..2982, 2905..2985		

Seq. No.	13189	Seq. ID	OJ991201_15.0127.C7
Gene No.	27955	Strand	+
Start	8410	End	9302
Name	OJ991201_15.0127.C7.o2.gs	Method	GENSCAN
Start	8410	End	9302
GI	none	Score	.49
Exons	8410..8463, 9213..9302		

Seq. No.	13189	Seq. ID	OJ991201_15.0127.C7
Gene No.	27956	Strand	+
Start	11207	End	14965
Name	OJ991201_15.0127.C7.o3.gs	Method	GENSCAN
Start	11207	End	14965
GI	none	Score	.58
Exons	11207..11374, 12451..12542, 13206..13240, 14185..14304, 14832..14965		

Seq. No.	13189	Seq. ID	OJ991201_15.0127.C7
Gene No.	27957	Strand	+
Start	15259	End	21576
Name	OJ991201_15.0127.C7.o2.gp	Method	AAT/GAP
Start	15122	End	15540
GI	3061057	Score	544

Exons	15122..15367, 15452..15540		
GI Descrip.	4263821/gb|AAD15464| 2.0e-16 (AC006067) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13189	Seq. ID	OJ991201_15.0127.C7
Gene No.	27957	Strand	+
Start	15259	End	21576
Name	OJ991201_15.0127.C7.o1.np	Method	AAT/NAP
Start	15190	End	20673
GI	4263821	Score	823
Exons	15190..15367, 15431..15528, 15617..15700, 15791..15939, 17048..17187, 17261..17348, 18133..18206, 20155..20339, 20438..20673		
GI Descrip.	(AC006067) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13189	Seq. ID	OJ991201_15.0127.C7
Gene No.	27957	Strand	+
Start	15259	End	21576
Name	OJ991201_15.0127.C7.o4.gs	Method	GENSCAN
Start	15259	End	19376
GI	none	Score	.67
Exons	15259..15367, 15407..15528, 15578..15700, 15791..15904, 16588..16674, 17048..17187, 17261..17348, 18133..18206, 18366..18706, 18844..19376		

Seq. No.	13189	Seq. ID	OJ991201_15.0127.C7
Gene No.	27957	Strand	+
Start	15259	End	21576
Name	OJ991201_15.0127.C7.o3.gp	Method	AAT/GAP
Start	17240	End	20543
GI	LIB3432-012-P1-K1-G5	Score	828
Exons	17240..17348, 18133..18206, 20155..20348, 20438..20543		
GI Descrip.	'4263821/gb|AAD15464| 2.0e-16 (AC006067) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	13189	Seq. ID	OJ991201_15.0127.C7
Gene No.	27957	Strand	+
Start	15259	End	21576
Name	OJ991201_15.0127.C7.o5.gs	Method	GENSCAN
Start	20216	End	21576
GI	none	Score	.92
Exons	20216..20348, 20438..20640, 20963..21009, 21092..21344, 21559..21576		

Seq. No.	13189	Seq. ID	OJ991201_15.0127.C7
Gene No.	27958	Strand	+
Start	22771	End	23638
Name	OJ991201_15.0127.C7.o6.gs	Method	GENSCAN
Start	22771	End	23638
GI	none	Score	.84
Exons	22771..23151, 23177..23638		

Seq. No.	13189	Seq. ID	OJ991201_15.0127.C7
Gene No.	27959	Strand	+
Start	24298	End	24715
Name	OJ991201_15.0127.C7.o4.gp	Method	AAT/GAP
Start	24298	End	24715

GI	none	Score	767
Exons	24298..24715		

Seq. No.	13189	Seq. ID	OJ991201_15.0127.C7
Gene No.	27960	Strand	+
Start	34390	End	34896
Name	OJ991201_15.0127.C7.o7.gp	Method	AAT/GAP
Start	34390	End	34896
GI	uC-osflM202096g03b1	Score	964
Exons	34390..34896		
GI Descrip.	'2505877/emb|CAA73306| 6.0e-14 (Y12776) dehydrogenase [Arabidopsis thaliana]'		

Seq. No.	13189	Seq. ID	OJ991201_15.0127.C7
Gene No.	27961	Strand	-
Start	1170	End	7617
Name	OJ991201_15.0127.C7.o1.gs	Method	GENSCAN
Start	1170	End	7617
GI	none	Score	.58
Exons	1170..1394, 1479..1638, 1869..2071, 2720..2781, 3912..3942, 4819..4876, 5447..5637, 6195..6367, 7102..7338, 7404..7617		

Seq. No.	13189	Seq. ID	OJ991201_15.0127.C7
Gene No.	27961	Strand	-
Start	1170	End	7617
Name	OJ991201_15.0127.C7.o1.gp	Method	AAT/GAP
Start	5154	End	5601
GI	uC-osflcyp173b03b1	Score	892
Exons	5154..5601		
GI Descrip.	'4263821/gb|AAD15464| 2.0e-16 (AC006067) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	13189	Seq. ID	OJ991201_15.0127.C7
Gene No.	27962	Strand	-
Start	24223	End	35914
Name	OJ991201_15.0127.C7.o1.ts	Method	TBLASTX:Soybean
Start	15186	End	17351
GI	none	Score	108
Exons	15186..15347, 15187..15366, 15462..15527, 15466..15528, 15614..15742, 15616..15699, 15776..15883, 15878..15907, 16570..16680, 17045..17191, 17047..17148, 17048..17188, 17253..17351, 17276..17350		

Seq. No.	13189	Seq. ID	OJ991201_15.0127.C7
Gene No.	27962	Strand	-
Start	24223	End	35914
Name	OJ991201_15.0127.C7.o5.tm	Method	TBLASTX:Maize
Start	15267	End	15835
GI	none	Score	65
Exons	15267..15302, 15267..15365, 15313..15366, 15453..15476, 15453..15527, 15466..15528, 15614..15742, 15616..15741, 15776..15835, 15777..15830, 15782..15835		

Seq. No.	13189	Seq. ID	OJ991201_15.0127.C7
Gene No.	27962	Strand	-
Start	24223	End	35914
Name	OJ991201_15.0127.C7.o2.tc	Method	TBLASTX:Cress

Start	15814	End	17352
GI	none	Score	102
Exons	15814..15903, 15815..15907, 16572..16679, 16576..16680, 17043..17147, 17045..17191, 17048..17185, 17190..17351, 17256..17351, 17287..17352		

Seq. No.	13189	Seq. ID	OJ991201_15.0127.C7
Gene No.	27962	Strand	-
Start	24223	End	35914
Name	OJ991201_15.0127.C7.o1.tm	Method	TBLASTX:Maize
Start	16576	End	21345
GI	none	Score	134
Exons	16576..16680, 16585..16674, 16587..16679, 17045..17185, 17046..17204, 17047..17184, 17048..17188, 17217..17351, 17255..17350, 17263..17352, 17264..17353, 18090..18206, 18132..18206, 18133..18207, 18136..18207, 18137..18214, 20152..20265, 20152..20265, 20153..20299, 20300..20353, 20457..20516, 20457..20531, 20459..20533, 20512..20640, 20514..20642, 20515..20640, 20955..21011, 20960..21010, 21036..21284, 21089..21298, 21089..21298, 21178..21345		

Seq. No.	13189	Seq. ID	OJ991201_15.0127.C7
Gene No.	27962	Strand	-
Start	24223	End	35914
Name	OJ991201_15.0127.C7.o1.tw	Method	TBLASTX:Wheat
Start	17123	End	17351
GI	none	Score	111
Exons	17123..17218, 17123..17203, 17200..17349, 17229..17351, 17234..17350		

Seq. No.	13189	Seq. ID	OJ991201_15.0127.C7
Gene No.	27962	Strand	-
Start	24223	End	35914
Name	OJ991201_15.0127.C7.o7.gs	Method	GENSCAN
Start	24223	End	35896
GI	none	Score	.82
Exons	24223..24371, 24593..24638, 25205..25339, 25667..25785, 26214..26304, 26775..26963, 28318..28401, 28548..28709, 28798..28941, 29199..29316, 29442..29472, 30893..31130, 32068..32214, 33036..33107, 34158..34205, 34322..35110, 35525..35655, 35778..35896		

Seq. No.	13189	Seq. ID	OJ991201_15.0127.C7
Gene No.	27962	Strand	-
Start	24223	End	35914
Name	OJ991201_15.0127.C7.o2.np	Method	AAT/NAP
Start	25187	End	31154
GI	1389768	Score	980
Exons	25187..25339, 25667..25785, 26013..26072, 26214..26304, 26775..26963, 28318..28401, 28548..28709, 28798..28946, 31117..31154		
GI Descrip.	(U58942) phosphoribosylanthranilate transferase [Arabidopsis thaliana]		

Seq. No.	13189	Seq. ID	OJ991201_15.0127.C7
Gene No.	27962	Strand	-
Start	24223	End	35914

Name	OJ991201_15.0127.C7.o3.tm	Method	TBLASTX:Maize
Start	25206	End	28366
GI	none	Score	82
Exons	25206..25271, 25214..25273, 25296..25340, 25296..25337, 25665..25790, 25665..25790, 25667..25792, 25667..25792, 25670..25807, 25670..25804, 25672..25812, 25727..25807, 26012..26086, 26012..26065, 26013..26066, 26014..26085, 26211..26270, 26212..26304, 26212..26304, 26213..26305, 26775..26966, 26779..26859, 26781..26966, 28312..28362, 28318..28362, 28319..28366		

Seq. No.	13189	Seq. ID	OJ991201_15.0127.C7
Gene No.	27962	Strand	-
Start	24223	End	35914
Name	OJ991201_15.0127.C7.o5.gp	Method	AAT/GAP
Start	25218	End	26291
GI	LIB3434-026-P1-K1-E6	Score	658
Exons	25218..25339, 25667..25785, 26013..26072, 26214..26291		
GI Descrip.	'1389768 1.0e-34 (U58942) phosphoribosylanthranilate transferase [Arabidopsis thaliana]'		

Seq. No.	13189	Seq. ID	OJ991201_15.0127.C7
Gene No.	27962	Strand	-
Start	24223	End	35914
Name	OJ991201_15.0127.C7.o3.ts	Method	TBLASTX:Soybean
Start	28313	End	28836
GI	none	Score	85
Exons	28313..28402, 28581..28712, 28795..28836		

Seq. No.	13189	Seq. ID	OJ991201_15.0127.C7
Gene No.	27962	Strand	-
Start	24223	End	35914
Name	OJ991201_15.0127.C7.o6.tm	Method	TBLASTX:Maize
Start	28584	End	28944
GI	none	Score	104
Exons	28584..28712, 28638..28712, 28777..28851, 28795..28839, 28906..28944, 28909..28944		

Seq. No.	13189	Seq. ID	OJ991201_15.0127.C7
Gene No.	27962	Strand	-
Start	24223	End	35914
Name	OJ991201_15.0127.C7.o6.gp	Method	AAT/GAP
Start	33020	End	34404
GI	uC-osflcyp132g04a1	Score	946
Exons	33020..33285, 33520..33636, 34158..34205, 34322..34404		
GI Descrip.	'2505877/emb|CAA73306| 7.0e-36 (Y12776) dehydrogenase [Arabidopsis thaliana]'		

Seq. No.	13189	Seq. ID	OJ991201_15.0127.C7
Gene No.	27962	Strand	-
Start	24223	End	35914
Name	OJ991201_15.0127.C7.o7.tm	Method	TBLASTX:Maize
Start	33202	End	34364
GI	none	Score	93
Exons	33202..33285, 33214..33285, 33215..33286, 33518..33637, 33519..33638, 33519..33638, 33520..33639, 33520..33645, 33527..33646, 34152..34217, 34159..34206, 34317..34364,		

34322..34363

Seq. No.	13189	Seq. ID	OJ991201_15.0127.C7
Gene No.	27962	Strand	-
Start	24223	End	35914
Name	OJ991201_15.0127.C7.o3.np	Method	AAT/NAP
Start	33214	End	35914
GI	2505878	Score	1097
Exons	33214..33285, 33520..33636, 34158..34205, 34322..35110, 35525..35655, 35778..35914		
GI Descrip.	(Y12776) gene5; most likely [Arabidopsis thaliana]		

Seq. No.	13189	Seq. ID	OJ991201_15.0127.C7
Gene No.	27962	Strand	-
Start	24223	End	35914
Name	OJ991201_15.0127.C7.o2.tm	Method	TBLASTX:Maize
Start	34425	End	34654
GI	none	Score	264
Exons	34425..34643, 34426..34653, 34427..34654		

Seq. No.	13189	Seq. ID	OJ991201_15.0127.C7
Gene No.	27962	Strand	-
Start	24223	End	35914
Name	OJ991201_15.0127.C7.o2.ts	Method	TBLASTX:Soybean
Start	34601	End	35116
GI	none	Score	57
Exons	34601..34648, 34602..34643, 34679..34801, 34971..35114, 34985..35116, 34985..35110		

Seq. No.	13189	Seq. ID	OJ991201_15.0127.C7
Gene No.	27962	Strand	-
Start	24223	End	35914
Name	OJ991201_15.0127.C7.o4.tm	Method	TBLASTX:Maize
Start	34796	End	35842
GI	none	Score	74
Exons	34796..34921, 34800..34916, 34924..35103, 34959..35114, 34971..35114, 34985..35116, 35519..35656, 35520..35657, 35776..35841, 35777..35842		

Seq. No.	13189	Seq. ID	OJ991201_15.0127.C7
Gene No.	27962	Strand	-
Start	24223	End	35914
Name	OJ991201_15.0127.C7.o1.tc	Method	TBLASTX:Cress
Start	35519	End	35914
GI	none	Score	124
Exons	35519..35656, 35522..35644, 35523..35657, 35766..35894, 35776..35913, 35777..35914, 35777..35914		

Seq. No.	13190	Seq. ID	OJ991201_15.0127.C8
Gene No.	27963	Strand	-
Start	586	End	6552
Name	OJ991201_15.0127.C8.o1.gs	Method	GENSCAN
Start	586	End	6552
GI	none	Score	.62
Exons	586..1164, 1395..1488, 2085..2113, 3185..3390, 4471..4583, 6182..6552		

Seq. No.	13190	Seq. ID	OJ991201_15.0127.C8
Gene No.	27963	Strand	-
Start	586	End	6552
Name	OJ991201_15.0127.C8.o1.np	Method	AAT/NAP
Start	631	End	1206
GI	2505878	Score	616
Exons	631..1206		
GI Descrip.	(Y12776) gene5; most likely [Arabidopsis thaliana]		

Seq. No.	13190	Seq. ID	OJ991201_15.0127.C8
Gene No.	27963	Strand	-
Start	586	End	6552
Name	OJ991201_15.0127.C8.o1.gp	Method	AAT/GAP
Start	2011	End	2311
GI	1944311	Score	574
Exons	2011..2311		

Seq. No.	13190	Seq. ID	OJ991201_15.0127.C8
Gene No.	27963	Strand	-
Start	586	End	6552
Name	OJ991201_15.0127.C8.o2.gp	Method	AAT/GAP
Start	2541	End	3982
GI	64797_1.R1084	Score	847
Exons	2541..2614, 2756..2986, 3185..3349, 3953..3982		
GI Descrip.	'2632252/emb|CAA73067| 4.0e-18 (Y12464) serine/threonine kinase [Sorghum bicolor]'		

Seq. No.	13190	Seq. ID	OJ991201_15.0127.C8
Gene No.	27964	Strand	-
Start	7689	End	8900
Name	OJ991201_15.0127.C8.o1.tc	Method	TBLASTX:Cress
Start	608	End	909
GI	none	Score	89
Exons	608..859, 631..807, 794..883, 826..909, 850..900		

Seq. No.	13190	Seq. ID	OJ991201_15.0127.C8
Gene No.	27964	Strand	-
Start	7689	End	8900
Name	OJ991201_15.0127.C8.o2.tc	Method	TBLASTX:Cress
Start	943	End	1164
GI	none	Score	151
Exons	943..996, 997..1164		

Seq. No.	13190	Seq. ID	OJ991201_15.0127.C8
Gene No.	27964	Strand	-
Start	7689	End	8900
Name	OJ991201_15.0127.C8.o1.tm	Method	TBLASTX:Maize
Start	3179	End	6144
GI	none	Score	79
Exons	3179..3235, 3182..3241, 3254..3370, 3261..3344, 3948..4001, 3953..4006, 3954..4013, 4469..4600, 4469..4600, 4852..4932, 4856..4933, 4865..4933, 5249..5308, 5253..5309, 6094..6144		

Seq. No.	13190	Seq. ID	OJ991201_15.0127.C8
Gene No.	27964	Strand	-
Start	7689	End	8900
Name	OJ991201_15.0127.C8.o2.gs	Method	GENSCAN

Start	7689	End	8900
GI	none	Score	.72
Exons	7689..8495, 8806..8900		

Seq. No.	13190	Seq. ID	OJ991201_15.0127.C8
Gene No.	27964	Strand	-
Start	7689	End	8900
Name	OJ991201_15.0127.C8.o2.tm	Method	TBLASTX:Maize
Start	7783	End	7967
GI	none	Score	60
Exons	7783..7833, 7785..7967, 7894..7962		

Seq. No.	13191	Seq. ID	OJ991011_05.0103.C2
Gene No.	27965	Strand	+
Start	4125	End	4638
Name	OJ991011_05.0103.C2.o1.gp	Method	AAT/GAP
Start	4125	End	4638
GI	none	Score	763
Exons	4125..4205, 4293..4638		

Seq. No.	13191	Seq. ID	OJ991011_05.0103.C2
Gene No.	27966	Strand	+
Start	6064	End	8740
Name	OJ991011_05.0103.C2.o2.gp	Method	AAT/GAP
Start	5859	End	6399
GI	none	Score	967
Exons	5859..6399		

Seq. No.	13191	Seq. ID	OJ991011_05.0103.C2
Gene No.	27966	Strand	+
Start	6064	End	8740
Name	OJ991011_05.0103.C2.o2.gs	Method	GENSCAN
Start	6064	End	8740
GI	none	Score	.75
Exons	6064..6155, 6441..6977, 7357..7547, 7590..7843, 7955..8740		

Seq. No.	13191	Seq. ID	OJ991011_05.0103.C2
Gene No.	27966	Strand	+
Start	6064	End	8740
Name	OJ991011_05.0103.C2.o2.np	Method	AAT/NAP
Start	6487	End	8737
GI	2088647	Score	1539
Exons	6487..6977, 7357..7843, 7955..8737		
GI Descrip.	(AF002109) unknown protein [Arabidopsis thaliana] gi|3158394 (AF036340) LRR-containing F-box protein [Arabidopsis thaliana]		

Seq. No.	13191	Seq. ID	OJ991011_05.0103.C2
Gene No.	27966	Strand	+
Start	6064	End	8740
Name	OJ991011_05.0103.C2.o3.gp	Method	AAT/GAP
Start	6628	End	7459
GI	uC-osflcyp139f10b1	Score	854
Exons	6628..6977, 7357..7459		
GI Descrip.	'2088647 2.0e-41 (AF002109) hypothetical protein [Arabidopsis thaliana] >gi_3158394 (AF036340) LRR-containing F-box protein [Arabidopsis thaliana]'		

Seq. No.	13191	Seq. ID	OJ991011_05.0103.C2
Gene No.	27967	Strand	-
Start	2513	End	3988
Name	OJ991011_05.0103.C2.o1.np	Method	AAT/NAP
Start	1236	End	1320
GI	5852093	Score	58
Exons	1236..1320		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	13191	Seq. ID	OJ991011_05.0103.C2
Gene No.	27967	Strand	-
Start	2513	End	3988
Name	OJ991011_05.0103.C2.o1.gs	Method	GENSCAN
Start	2513	End	3988
GI	none	Score	.4
Exons	2513..2933, 2939..3155, 3967..3988		

Seq. No.	13191	Seq. ID	OJ991011_05.0103.C2
Gene No.	27968	Strand	-
Start	8559	End	9071
Name	OJ991011_05.0103.C2.o4.gp	Method	AAT/GAP
Start	8559	End	9071
GI	none	Score	1022
Exons	8559..9071		

Seq. No.	13191	Seq. ID	OJ991011_05.0103.C2
Gene No.	27969	Strand	-
Start	10257	End	10671
Name	OJ991011_05.0103.C2.o2.tm	Method	TBLASTX:Maize
Start	6490	End	6906
GI	none	Score	636
Exons	6490..6645, 6508..6906, 6522..6905, 6748..6906		

Seq. No.	13191	Seq. ID	OJ991011_05.0103.C2
Gene No.	27969	Strand	-
Start	10257	End	10671
Name	OJ991011_05.0103.C2.o3.ts	Method	TBLASTX:Soybean
Start	6508	End	6762
GI	none	Score	268
Exons	6508..6639, 6532..6762, 6537..6761		

Seq. No.	13191	Seq. ID	OJ991011_05.0103.C2
Gene No.	27969	Strand	-
Start	10257	End	10671
Name	OJ991011_05.0103.C2.o1.tc	Method	TBLASTX:Cress
Start	6538	End	8716
GI	none	Score	441
Exons	6538..6978, 6573..6779, 7400..7477, 7481..7630, 7658..7843, 7694..7837, 7940..8068, 7957..8013, 8045..8620, 8077..8619, 8099..8620, 8657..8716		

Seq. No.	13191	Seq. ID	OJ991011_05.0103.C2
Gene No.	27969	Strand	-
Start	10257	End	10671
Name	OJ991011_05.0103.C2.o2.ts	Method	TBLASTX:Soybean
Start	6763	End	8068
GI	none	Score	187

Exons	6763..6978, 7352..7411, 7400..7480, 7406..7477, 7499..7639, 7643..7843, 7675..7911, 7940..8068		
Seq. No.	13191	Seq. ID	OJ991011_05.0103.C2
Gene No.	27969	Strand	-
Start	10257	End	10671
Name	OJ991011_05.0103.C2.o1.tm	Method	TBLASTX:Maize
Start	6910	End	8478
GI	none	Score	92
Exons	6910..6978, 6912..6986, 7347..7844, 7350..7844, 7352..7846, 7352..7846, 7945..8013, 7952..8476, 7954..8013, 8058..8207, 8069..8476, 8095..8478		
Seq. No.	13191	Seq. ID	OJ991011_05.0103.C2
Gene No.	27969	Strand	-
Start	10257	End	10671
Name	OJ991011_05.0103.C2.o1.tw	Method	TBLASTX:Wheat
Start	8042	End	8431
GI	none	Score	444
Exons	8042..8431, 8089..8184, 8242..8424		
Seq. No.	13191	Seq. ID	OJ991011_05.0103.C2
Gene No.	27969	Strand	-
Start	10257	End	10671
Name	OJ991011_05.0103.C2.o1.ts	Method	TBLASTX:Soybean
Start	8230	End	8725
GI	none	Score	89
Exons	8230..8421, 8231..8485, 8231..8479, 8233..8481, 8475..8615, 8476..8619, 8480..8620, 8596..8724, 8633..8725		
Seq. No.	13191	Seq. ID	OJ991011_05.0103.C2
Gene No.	27969	Strand	-
Start	10257	End	10671
Name	OJ991011_05.0103.C2.o3.tm	Method	TBLASTX:Maize
Start	8480	End	9053
GI	none	Score	329
Exons	8480..8752, 8482..8754, 8483..8743, 8530..8745, 8949..9053		
Seq. No.	13191	Seq. ID	OJ991011_05.0103.C2
Gene No.	27969	Strand	-
Start	10257	End	10671
Name	OJ991011_05.0103.C2.o4.tm	Method	TBLASTX:Maize
Start	10137	End	10671
GI	none	Score	78
Exons	10137..10199, 10140..10238, 10144..10374, 10145..10216, 10265..10375, 10276..10374, 10276..10404, 10415..10453, 10415..10492, 10420..10488, 10514..10555, 10514..10555, 10518..10547, 10603..10671, 10615..10668		
Seq. No.	13191	Seq. ID	OJ991011_05.0103.C2
Gene No.	27969	Strand	-
Start	10257	End	10671
Name	OJ991011_05.0103.C2.o5.gp	Method	AAT/GAP
Start	10257	End	10671
GI	15883_1.R1084	Score	819
Exons	10257..10671		
GI Descrip.	'1781299/emb|CAA70700| 5.0e-15 (Y09506) transformer-SR		

ribonucleoprotein [Nicotiana tabacum]'

Seq. No.	13192	Seq. ID	OJ991011_05.0103.C3
Gene No.	27970	Strand	-
Start	1	End	1241
Name	OJ991011_05.0103.C3.o1.np	Method	AAT/NAP
Start	1	End	1174
GI	1781299	Score	243
Exons	1..39, 199..266, 589..724, 796..940, 1032..1174		
GI Descrip.	(Y09506) transformer-SR ribonucleoprotein [Nicotiana tabacum]		

Seq. No.	13192	Seq. ID	OJ991011_05.0103.C3
Gene No.	27970	Strand	-
Start	1	End	1241
Name	OJ991011_05.0103.C3.o1.tm	Method	TBLASTX:Maize
Start	201	End	1012
GI	none	Score	44
Exons	201..269, 202..270, 202..270, 367..396, 367..396, 369..398, 411..536, 416..538, 434..568, 576..650, 581..751, 581..739, 586..741, 805..897, 807..926, 807..923, 809..1012		

Seq. No.	13192	Seq. ID	OJ991011_05.0103.C3
Gene No.	27970	Strand	-
Start	1	End	1241
Name	OJ991011_05.0103.C3.o1.gs	Method	GENSCAN
Start	203	End	1241
GI	none	Score	.7
Exons	203..266, 589..738, 810..921, 982..1105, 1185..1241		

Seq. No.	13192	Seq. ID	OJ991011_05.0103.C3
Gene No.	27970	Strand	-
Start	1	End	1241
Name	OJ991011_05.0103.C3.o1.tc	Method	TBLASTX:Cress
Start	220	End	738
GI	none	Score	57
Exons	220..267, 578..736, 589..738		

Seq. No.	13192	Seq. ID	OJ991011_05.0103.C3
Gene No.	27970	Strand	-
Start	1	End	1241
Name	OJ991011_05.0103.C3.o1.ts	Method	TBLASTX:Soybean
Start	584	End	911
GI	none	Score	176
Exons	584..739, 584..730, 586..741, 805..897, 806..910, 807..911		

Seq. No.	13192	Seq. ID	OJ991011_05.0103.C3
Gene No.	27970	Strand	-
Start	1	End	1241
Name	OJ991011_05.0103.C3.o1.gp	Method	AAT/GAP
Start	597	End	1210
GI	3760422	Score	569
Exons	597..738, 810..918, 1037..1105, 1185..1210		
GI Descrip.	1781299/emb|CAA70700| 5.0e-15 (Y09506) transformer-SR ribonucleoprotein [Nicotiana tabacum]		

Seq. No.	13193	Seq. ID	OJ991011_05.0103.C4
Gene No.	27971	Strand	+

Start	1	End	9426
Name	OJ991011_05.0103.C4.o1.np	Method	AAT/NAP
Start	1	End	1386
GI	5852084	Score	84
Exons	1..21, 1303..1386		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	13193	Seq. ID	OJ991011_05.0103.C4
Gene No.	27971	Strand	+
Start	1	End	9426
Name	OJ991011_05.0103.C4.o1.gs	Method	GENSCAN
Start	618	End	9426
GI	none	Score	.54
Exons	618..747, 2493..2677, 2735..3205, 5558..6166, 6177..6218, 6308..6400, 6741..6969, 7390..7496, 7636..7698, 7959..8059, 9072..9166, 9406..9426		

Seq. No.	13193	Seq. ID	OJ991011_05.0103.C4
Gene No.	27971	Strand	+
Start	1	End	9426
Name	OJ991011_05.0103.C4.o1.tm	Method	TBLASTX:Maize
Start	5707	End	6795
GI	none	Score	98
Exons	5707..5793, 5776..5856, 5784..5846, 5789..5863, 5791..5862, 5962..6033, 5963..6034, 6035..6067, 6036..6056, 6158..6226, 6159..6227, 6305..6403, 6305..6400, 6307..6414, 6307..6402, 6734..6793, 6739..6795, 6741..6794, 6745..6795		

Seq. No.	13193	Seq. ID	OJ991011_05.0103.C4
Gene No.	27971	Strand	+
Start	1	End	9426
Name	OJ991011_05.0103.C4.o2.np	Method	AAT/NAP
Start	5807	End	8059
GI	4309760	Score	729
Exons	5807..6070, 6308..6411, 6704..6969, 7390..7496, 7636..7698, 7959..8059		
GI Descrip.	(AC006217) unknown protein [Arabidopsis thaliana]		

Seq. No.	13194	Seq. ID	OJ991011_05.0103.C5
Gene No.	27972	Strand	+
Start	1	End	5900
Name	OJ991011_05.0103.C5.o1.np	Method	AAT/NAP
Start	1	End	2431
GI	4309760	Score	505
Exons	1..26, 1039..1215, 1553..1824, 2198..2431		
GI Descrip.	(AC006217) unknown protein [Arabidopsis thaliana]		

Seq. No.	13194	Seq. ID	OJ991011_05.0103.C5
Gene No.	27972	Strand	+
Start	1	End	5900
Name	OJ991011_05.0103.C5.o1.gs	Method	GENSCAN
Start	761	End	5900
GI	none	Score	.85
Exons	761..916, 1025..1215, 1553..1824, 2198..2299, 2477..2653, 2742..2930, 3012..3253, 3328..3474, 3871..4096, 4238..4373, 4778..4866, 5174..5353, 5680..5739, 5829..5900		

Seq. No.	13194	Seq. ID	OJ991011_05.0103.C5
Gene No.	27972	Strand	+
Start	1	End	5900
Name	OJ991011_05.0103.C5.o2.np	Method	AAT/NAP
Start	2715	End	5900
GI	4309759	Score	1443
Exons	2715..2930, 3012..3253, 3328..3474, 3871..4121, 4230..4366, 4723..4911, 5174..5353, 5680..5739, 5829..5900		
GI Descrip.	(AC006217) unknown protein [Arabidopsis thaliana]		

Seq. No.	13194	Seq. ID	OJ991011_05.0103.C5
Gene No.	27972	Strand	+
Start	1	End	5900
Name	OJ991011_05.0103.C5.o1.gp	Method	AAT/GAP
Start	4012	End	5747
GI	29605_1.R1084	Score	1028
Exons	4012..4096, 4238..4369, 4723..4866, 5174..5353, 5680..5747		
GI Descrip.	'4309759/gb|AAD15528| 3.0e-50 (AC006217) unknown protein with Src homology 3 (SH3) domain profile (PDOC50002) [Arabidopsis thaliana]'		

Seq. No.	13194	Seq. ID	OJ991011_05.0103.C5
Gene No.	27973	Strand	+
Start	5857	End	6516
Name	OJ991011_05.0103.C5.o3.tm	Method	TBLASTX:Maize
Start	528	End	866
GI	none	Score	144
Exons	528..653, 529..654, 758..859, 759..866		

Seq. No.	13194	Seq. ID	OJ991011_05.0103.C5
Gene No.	27973	Strand	+
Start	5857	End	6516
Name	OJ991011_05.0103.C5.o2.ts	Method	TBLASTX:Soybean
Start	1608	End	2593
GI	none	Score	324
Exons	1608..1823, 1609..1824, 1640..1825, 2197..2298, 2198..2299, 2207..2299, 2469..2576, 2474..2581, 2476..2592, 2477..2593		

Seq. No.	13194	Seq. ID	OJ991011_05.0103.C5
Gene No.	27973	Strand	+
Start	5857	End	6516
Name	OJ991011_05.0103.C5.o2.tc	Method	TBLASTX:Cress
Start	1629	End	2777
GI	none	Score	129
Exons	1629..1796, 1629..1823, 1630..1824, 1640..1828, 2195..2299, 2197..2304, 2198..2299, 2475..2639, 2475..2639, 2476..2649, 2476..2655, 2477..2656, 2730..2777, 2741..2776		

Seq. No.	13194	Seq. ID	OJ991011_05.0103.C5
Gene No.	27973	Strand	+
Start	5857	End	6516
Name	OJ991011_05.0103.C5.o2.tm	Method	TBLASTX:Maize
Start	2572	End	2936
GI	none	Score	111
Exons	2572..2655, 2573..2656, 2730..2933, 2742..2936		

Seq. No.	13194	Seq. ID	OJ991011_05.0103.C5

Gene No.	27973	Strand	+
Start	5857	End	6516
Name	OJ991011_05.0103.C5.o1.ts	Method	TBLASTX:Soybean
Start	2796	End	5742
GI	none	Score	222
Exons	2796..2933, 2796..2930, 3009..3248, 3011..3253, 3012..3260, 3326..3469, 3415..3474, 3868..3963, 3869..3973, 4043..4099, 4055..4099, 4235..4303, 4237..4266, 4286..4369, 4287..4376, 4717..4839, 4722..4838, 5170..5271, 5173..5352, 5174..5356, 5677..5742		

Seq. No.	13194	Seq. ID	OJ991011_05.0103.C5
Gene No.	27973	Strand	+
Start	5857	End	6516
Name	OJ991011_05.0103.C5.o1.tc	Method	TBLASTX:Cress
Start	2897	End	3254
GI	none	Score	67
Exons	2897..2932, 2898..2933, 3009..3242, 3012..3254, 3017..3253		

Seq. No.	13194	Seq. ID	OJ991011_05.0103.C5
Gene No.	27973	Strand	+
Start	5857	End	6516
Name	OJ991011_05.0103.C5.o1.tm	Method	TBLASTX:Maize
Start	2988	End	4100
GI	none	Score	400
Exons	2988..3254, 2996..3253, 3326..3472, 3330..3473, 3395..3472, 3396..3488, 3415..3504, 3868..4098, 3869..4099, 3881..4099, 3966..4100		

Seq. No.	13194	Seq. ID	OJ991011_05.0103.C5
Gene No.	27973	Strand	+
Start	5857	End	6516
Name	OJ991011_05.0103.C5.o3.tc	Method	TBLASTX:Cress
Start	3868	End	5356
GI	none	Score	90
Exons	3868..3942, 3869..3943, 3941..3973, 3986..4063, 4229..4291, 4286..4369, 4303..4356, 4722..4841, 4749..4835, 4786..4860, 5173..5355, 5180..5356		

Seq. No.	13194	Seq. ID	OJ991011_05.0103.C5
Gene No.	27973	Strand	+
Start	5857	End	6516
Name	OJ991011_05.0103.C5.o4.tm	Method	TBLASTX:Maize
Start	4235	End	4814
GI	none	Score	233
Exons	4235..4369, 4237..4356, 4239..4376, 4240..4374, 4290..4379, 4722..4814, 4722..4814		

Seq. No.	13194	Seq. ID	OJ991011_05.0103.C5
Gene No.	27973	Strand	+
Start	5857	End	6516
Name	OJ991011_05.0103.C5.o2.gp	Method	AAT/GAP
Start	5857	End	6516
GI	34852_1.R1084	Score	1252
Exons	5857..6516		
GI Descrip.	'1781299/emb|CAA70700| 5.0e-15 (Y09506) transformer-SR ribonucleoprotein [Nicotiana tabacum]'		

Seq. No.	13195	Seq. ID	OJ991011_05.0103.C6
Gene No.	27974	Strand	+
Start	783	End	1284
Name	OJ991011_05.0103.C6.o1.gs	Method	GENSCAN
Start	783	End	1284
GI	none	Score	.51
Exons	783..865, 1062..1284		

Seq. No.	13195	Seq. ID	OJ991011_05.0103.C6
Gene No.	27975	Strand	+
Start	2085	End	2937
Name	OJ991011_05.0103.C6.o1.gp	Method	AAT/GAP
Start	2085	End	2937
GI	none	Score	1662
Exons	2085..2937		

Seq. No.	13195	Seq. ID	OJ991011_05.0103.C6
Gene No.	27976	Strand	+
Start	3693	End	6541
Name	OJ991011_05.0103.C6.o3.gs	Method	GENSCAN
Start	3693	End	6541
GI	none	Score	.67
Exons	3693..3746, 3769..4018, 4268..4450, 4467..4517, 5868..5973, 6049..6083, 6327..6541		

Seq. No.	13195	Seq. ID	OJ991011_05.0103.C6
Gene No.	27977	Strand	-
Start	1659	End	3475
Name	OJ991011_05.0103.C6.o2.gs	Method	GENSCAN
Start	1659	End	3437
GI	none	Score	.72
Exons	1659..2285, 2784..2924, 3032..3172, 3225..3437		

Seq. No.	13195	Seq. ID	OJ991011_05.0103.C6
Gene No.	27977	Strand	-
Start	1659	End	3475
Name	OJ991011_05.0103.C6.o1.np	Method	AAT/NAP
Start	2616	End	3443
GI	2464852	Score	172
Exons	2616..2657, 2778..2924, 3032..3127, 3225..3443		
GI Descrip.	(Z99707) putative protein [Arabidopsis thaliana]		

Seq. No.	13195	Seq. ID	OJ991011_05.0103.C6
Gene No.	27977	Strand	-
Start	1659	End	3475
Name	OJ991011_05.0103.C6.o2.gp	Method	AAT/GAP
Start	3160	End	3475
GI	LIB3434-026-P1-K1-C8	Score	551
Exons	3160..3475		
GI Descrip.	'1781299/emb|CAA70700| 5.0e-15 (Y09506) transformer-SR ribonucleoprotein [Nicotiana tabacum]'		

Seq. No.	13195	Seq. ID	OJ991011_05.0103.C6
Gene No.	27978	Strand	-
Start	7147	End	8539
Name	OJ991011_05.0103.C6.o4.gs	Method	GENSCAN

Start	7147	End	8539
GI	none	Score	.68
Exons	7147..7469, 8419..8539		

Seq. No.	13195	Seq. ID	OJ991011_05.0103.C6
Gene No.	27979	Strand	-
Start	9438	End	9697
Name	OJ991011_05.0103.C6.o1.ts	Method	TBLASTX:Soybean
Start	1812	End	2129
GI	none	Score	117
Exons	1812..1895, 1817..1894, 1953..2129, 1961..2071		

Seq. No.	13195	Seq. ID	OJ991011_05.0103.C6
Gene No.	27979	Strand	-
Start	9438	End	9697
Name	OJ991011_05.0103.C6.o2.tm	Method	TBLASTX:Maize
Start	1814	End	2129
GI	none	Score	127
Exons	1814..1972, 1815..1973, 1958..2071, 1959..2129		

Seq. No.	13195	Seq. ID	OJ991011_05.0103.C6
Gene No.	27979	Strand	-
Start	9438	End	9697
Name	OJ991011_05.0103.C6.o1.tm	Method	TBLASTX:Maize
Start	2479	End	3429
GI	none	Score	46
Exons	2479..2517, 2530..2592, 2542..2580, 2602..2658, 2610..2657, 2783..2869, 2787..2882, 2791..2868, 2895..2924, 2896..2925, 3032..3127, 3033..3122, 3034..3126, 3225..3284, 3276..3416, 3301..3429		

Seq. No.	13195	Seq. ID	OJ991011_05.0103.C6
Gene No.	27979	Strand	-
Start	9438	End	9697
Name	OJ991011_05.0103.C6.o4.tm	Method	TBLASTX:Maize
Start	3950	End	4538
GI	none	Score	41
Exons	3950..3997, 4073..4129, 4172..4213, 4172..4222, 4273..4395, 4299..4388, 4461..4535, 4466..4534, 4470..4538		

Seq. No.	13195	Seq. ID	OJ991011_05.0103.C6
Gene No.	27979	Strand	-
Start	9438	End	9697
Name	OJ991011_05.0103.C6.o3.tm	Method	TBLASTX:Maize
Start	7408	End	8412
GI	none	Score	86
Exons	7408..7461, 7411..7461, 8251..8295, 8251..8412, 8252..8401, 8253..8405, 8253..8324		

Seq. No.	13195	Seq. ID	OJ991011_05.0103.C6
Gene No.	27979	Strand	-
Start	9438	End	9697
Name	OJ991011_05.0103.C6.o1.tw	Method	TBLASTX:Wheat
Start	8269	End	8410
GI	none	Score	196
Exons	8269..8397, 8271..8396, 8291..8410, 8301..8402		

Seq. No.	13195	Seq. ID	OJ991011_05.0103.C6
Gene No.	27979	Strand	-
Start	9438	End	9697
Name	OJ991011_05.0103.C6.o5.gs	Method	GENSCAN
Start	9438	End	9697
GI	none	Score	.97
Exons	9438..9697		

Seq. No.	13196	Seq. ID	OJ991011_05.0103.C7
Gene No.	27980	Strand	+
Start	435	End	2198
Name	OJ991011_05.0103.C7.o1.np	Method	AAT/NAP
Start	435	End	1954
GI	2088643	Score	659
Exons	435..569, 990..1089, 1205..1242, 1358..1446, 1720..1954		
GI Descrip.	(AF002109) putative LIM-domain protein [Arabidopsis thaliana]		

Seq. No.	13196	Seq. ID	OJ991011_05.0103.C7
Gene No.	27980	Strand	+
Start	435	End	2198
Name	OJ991011_05.0103.C7.o1.gs	Method	GENSCAN
Start	438	End	1950
GI	none	Score	.76
Exons	438..569, 990..1089, 1205..1242, 1720..1950		

Seq. No.	13196	Seq. ID	OJ991011_05.0103.C7
Gene No.	27980	Strand	+
Start	435	End	2198
Name	OJ991011_05.0103.C7.o1.gp	Method	AAT/GAP
Start	1187	End	2198
GI	36105_1.R1084	Score	1102
Exons	1187..1242, 1358..1446, 1720..2198		
GI Descrip.	'3980380 3.0e-19 (AC004561) putative enolase [Arabidopsis thaliana]'		

Seq. No.	13196	Seq. ID	OJ991011_05.0103.C7
Gene No.	27981	Strand	+
Start	7768	End	8890
Name	OJ991011_05.0103.C7.o3.gs	Method	GENSCAN
Start	7768	End	8631
GI	none	Score	.87
Exons	7768..8631		

Seq. No.	13196	Seq. ID	OJ991011_05.0103.C7
Gene No.	27981	Strand	+
Start	7768	End	8890
Name	OJ991011_05.0103.C7.o4.gp	Method	AAT/GAP
Start	8031	End	8890
GI	208_3.R1084	Score	1620
Exons	8031..8890		
GI Descrip.	'2119194/pir||JC4377 2.0e-68 low-molecular-weight heat-shock protein - rice >gi_1815662 (U83670) low molecular mass heat shock protein Oshsp18.0 [Oryza sativa]'		

Seq. No.	13196	Seq. ID	OJ991011_05.0103.C7
Gene No.	27981	Strand	+
Start	7768	End	8890

Name	OJ991011_05.0103.C7.o3.np	Method	AAT/NAP
Start	8146	End	8628
GI	2119194	Score	766
Exons	8146..8628		
GI Descrip.	low-molecular-weight heat-shock protein - rice gi|1815662 (U83670) low molecular mass heat shock protein Oshsp18.0 [Oryza sativa]		

Seq. No.	13196	Seq. ID	OJ991011_05.0103.C7
Gene No.	27982	Strand	+
Start	9690	End	12252
Name	OJ991011_05.0103.C7.o4.gs	Method	GENSCAN
Start	9690	End	12252
GI	none	Score	.85
Exons	9690..9801, 9884..10042, 10208..10945, 11024..11420, 11810..11969, 12007..12252		

Seq. No.	13196	Seq. ID	OJ991011_05.0103.C7
Gene No.	27982	Strand	+
Start	9690	End	12252
Name	OJ991011_05.0103.C7.o4.np	Method	AAT/NAP
Start	10213	End	11574
GI	3386534	Score	978
Exons	10213..10945, 11024..11574		
GI Descrip.	(AF078934) mariner transposase [Glycine max]		

Seq. No.	13196	Seq. ID	OJ991011_05.0103.C7
Gene No.	27983	Strand	-
Start	3159	End	7309
Name	OJ991011_05.0103.C7.o2.gs	Method	GENSCAN
Start	3159	End	7309
GI	none	Score	.9
Exons	3159..3239, 3418..3615, 4193..4279, 4348..4433, 4524..4622, 5300..5403, 5543..5640, 5897..5977, 6226..6342, 6439..6510, 6875..7309		

Seq. No.	13196	Seq. ID	OJ991011_05.0103.C7
Gene No.	27983	Strand	-
Start	3159	End	7309
Name	OJ991011_05.0103.C7.o2.np	Method	AAT/NAP
Start	3171	End	7309
GI	3980380	Score	1307
Exons	3171..3239, 3418..3615, 4193..4279, 4348..4433, 4524..4622, 5300..5403, 5509..5585, 5897..5977, 6226..6342, 6439..6510, 6875..7309		
GI Descrip.	(AC004561) putative enolase (2-phospho-D-glycerate hydroylase) [Arabidopsis thaliana]		

Seq. No.	13196	Seq. ID	OJ991011_05.0103.C7
Gene No.	27983	Strand	-
Start	3159	End	7309
Name	OJ991011_05.0103.C7.o2.gp	Method	AAT/GAP
Start	3499	End	4388
GI	2796662	Score	388
Exons	3499..3615, 4193..4279, 4348..4388		
GI Descrip.	3980380 3.0e-19 (AC004561) putative enolase [Arabidopsis thaliana]		

Seq. No.	13196	Seq. ID	OJ991011_05.0103.C7
Gene No.	27983	Strand	-
Start	3159	End	7309
Name	OJ991011_05.0103.C7.o3.gp	Method	AAT/GAP
Start	4574	End	5979
GI	5004179	Score	550
Exons	4574..4622, 5300..5403, 5509..5585, 5897..5979		

Seq. No.	13196	Seq. ID	OJ991011_05.0103.C7
Gene No.	27984	Strand	-
Start	15670	End	17729
Name	OJ991011_05.0103.C7.o2.tc	Method	TBLASTX:Cress
Start	432	End	1943
GI	none	Score	140
Exons	432..551, 437..550, 441..572, 443..556, 961..1086, 984..1088, 989..1087, 996..1088, 1010..1072, 1357..1401, 1358..1402, 1401..1451, 1402..1449, 1717..1902, 1719..1943, 1720..1872, 1745..1858		

Seq. No.	13196	Seq. ID	OJ991011_05.0103.C7
Gene No.	27984	Strand	-
Start	15670	End	17729
Name	OJ991011_05.0103.C7.o2.ts	Method	TBLASTX:Soybean
Start	432	End	1902
GI	none	Score	186
Exons	432..572, 432..551, 434..550, 443..562, 980..1063, 984..1064, 996..1073, 1010..1072, 1067..1090, 1357..1401, 1358..1402, 1401..1451, 1402..1449, 1715..1891, 1717..1863, 1717..1902, 1719..1901		

Seq. No.	13196	Seq. ID	OJ991011_05.0103.C7
Gene No.	27984	Strand	-
Start	15670	End	17729
Name	OJ991011_05.0103.C7.o3.tm	Method	TBLASTX:Maize
Start	432	End	2144
GI	none	Score	135
Exons	432..551, 434..544, 996..1073, 1221..1247, 1357..1407, 1358..1402, 1401..1451, 1402..1449, 1709..1888, 1717..1968, 1719..1973, 1719..1958, 2037..2078, 2049..2144		

Seq. No.	13196	Seq. ID	OJ991011_05.0103.C7
Gene No.	27984	Strand	-
Start	15670	End	17729
Name	OJ991011_05.0103.C7.o3.tw	Method	TBLASTX:Wheat
Start	432	End	1983
GI	none	Score	243
Exons	432..569, 432..527, 434..568, 437..526, 984..1091, 995..1087, 1192..1242, 1206..1247, 1357..1407, 1358..1402, 1361..1426, 1401..1451, 1402..1449, 1402..1449, 1717..1893, 1728..1871, 1744..1872, 1823..1879, 1927..1983		

Seq. No.	13196	Seq. ID	OJ991011_05.0103.C7
Gene No.	27984	Strand	-
Start	15670	End	17729
Name	OJ991011_05.0103.C7.o4.ts	Method	TBLASTX:Soybean
Start	3180	End	4443

GI	none	Score	114
Exons	3180..3233, 3415..3621, 3422..3604, 4188..4277, 4190..4285, 4340..4429, 4366..4443		

Seq. No.	13196	Seq. ID	OJ991011_05.0103.C7
Gene No.	27984	Strand	-
Start	15670	End	17729
Name	OJ991011_05.0103.C7.o4.tc	Method	TBLASTX:Cress
Start	3415	End	3621
GI	none	Score	150
Exons	3415..3621, 3422..3604		

Seq. No.	13196	Seq. ID	OJ991011_05.0103.C7
Gene No.	27984	Strand	-
Start	15670	End	17729
Name	OJ991011_05.0103.C7.o4.tm	Method	TBLASTX:Maize
Start	3520	End	4405
GI	none	Score	127
Exons	3520..3621, 3521..3616, 4188..4280, 4188..4280, 4192..4281, 4193..4282, 4331..4405, 4342..4404		

Seq. No.	13196	Seq. ID	OJ991011_05.0103.C7
Gene No.	27984	Strand	-
Start	15670	End	17729
Name	OJ991011_05.0103.C7.o5.ts	Method	TBLASTX:Soybean
Start	5529	End	6973
GI	none	Score	69
Exons	5529..5582, 5530..5592, 5867..5977, 5892..5978, 6224..6343, 6226..6345, 6403..6507, 6431..6511, 6437..6514, 6914..6973		

Seq. No.	13196	Seq. ID	OJ991011_05.0103.C7
Gene No.	27984	Strand	-
Start	15670	End	17729
Name	OJ991011_05.0103.C7.o2.tm	Method	TBLASTX:Maize
Start	6929	End	7313
GI	none	Score	106
Exons	6929..7006, 6929..6973, 7082..7309, 7106..7309, 7116..7313		

Seq. No.	13196	Seq. ID	OJ991011_05.0103.C7
Gene No.	27984	Strand	-
Start	15670	End	17729
Name	OJ991011_05.0103.C7.o3.tc	Method	TBLASTX:Cress
Start	7082	End	7310
GI	none	Score	171
Exons	7082..7309, 7101..7310		

Seq. No.	13196	Seq. ID	OJ991011_05.0103.C7
Gene No.	27984	Strand	-
Start	15670	End	17729
Name	OJ991011_05.0103.C7.o3.ts	Method	TBLASTX:Soybean
Start	7082	End	7313
GI	none	Score	158
Exons	7082..7309, 7101..7313		

Seq. No.	13196	Seq. ID	OJ991011_05.0103.C7
Gene No.	27984	Strand	-
Start	15670	End	17729

Name	OJ991011_05.0103.C7.o1.tm	Method	TBLASTX:Maize
Start	8098	End	8637
GI	none	Score	110
Exons	8098..8202, 8142..8201, 8278..8637, 8280..8465, 8529..8636		

Seq. No.	13196	Seq. ID	OJ991011_05.0103.C7
Gene No.	27984	Strand	-
Start	15670	End	17729
Name	OJ991011_05.0103.C7.o1.tw	Method	TBLASTX:Wheat
Start	8121	End	8465
GI	none	Score	84
Exons	8121..8201, 8122..8202, 8278..8463, 8280..8465		

Seq. No.	13196	Seq. ID	OJ991011_05.0103.C7
Gene No.	27984	Strand	-
Start	15670	End	17729
Name	OJ991011_05.0103.C7.o1.tc	Method	TBLASTX:Cress
Start	8158	End	8631
GI	none	Score	68
Exons	8158..8202, 8283..8465, 8284..8631, 8529..8630		

Seq. No.	13196	Seq. ID	OJ991011_05.0103.C7
Gene No.	27984	Strand	-
Start	15670	End	17729
Name	OJ991011_05.0103.C7.o1.ts	Method	TBLASTX:Soybean
Start	8158	End	8646
GI	none	Score	82
Exons	8158..8202, 8277..8465, 8278..8646, 8529..8630		

Seq. No.	13196	Seq. ID	OJ991011_05.0103.C7
Gene No.	27984	Strand	-
Start	15670	End	17729
Name	OJ991011_05.0103.C7.o2.tw	Method	TBLASTX:Wheat
Start	11077	End	11361
GI	none	Score	283
Exons	11077..11361, 11083..11175, 11154..11294		

Seq. No.	13196	Seq. ID	OJ991011_05.0103.C7
Gene No.	27984	Strand	-
Start	15670	End	17729
Name	OJ991011_05.0103.C7.o5.gs	Method	GENSCAN
Start	15670	End	17729
GI	none	Score	.88
Exons	15670..15821, 16043..16087, 17708..17729		

Seq. No.	13197	Seq. ID	OJ991011_05.0103.C8
Gene No.	27985	Strand	+
Start	378	End	1856
Name	OJ991011_05.0103.C8.o1.gs	Method	GENSCAN
Start	378	End	1856
GI	none	Score	.65
Exons	378..662, 951..1221, 1464..1856		

Seq. No.	13197	Seq. ID	OJ991011_05.0103.C8
Gene No.	27986	Strand	+
Start	2654	End	9153
Name	OJ991011_05.0103.C8.o2.gs	Method	GENSCAN

Start	2654	End	9153
GI	none	Score	.68
Exons	2654..2810, 3237..3519, 3625..3736, 3759..4100, 4288..4404, 4495..4564, 4651..4799, 5483..5584, 5655..5828, 6494..6613, 6753..6971, 7642..7716, 7964..8057, 8649..8749, 8968..9153		

Seq. No.	13197	Seq. ID	OJ991011_05.0103.C8
Gene No.	27986	Strand	+
Start	2654	End	9153
Name	OJ991011_05.0103.C8.o2.tm	Method	TBLASTX:Maize
Start	3766	End	4563
GI	none	Score	98
Exons	3766..3813, 3847..3912, 3850..3912, 3927..3971, 4274..4402, 4284..4403, 4285..4404, 4287..4406, 4494..4520, 4494..4526, 4495..4533, 4510..4563, 4518..4562		

Seq. No.	13197	Seq. ID	OJ991011_05.0103.C8
Gene No.	27986	Strand	+
Start	2654	End	9153
Name	OJ991011_05.0103.C8.o1.ts	Method	TBLASTX:Soybean
Start	3850	End	5584
GI	none	Score	81
Exons	3850..3912, 4318..4404, 4462..4560, 4494..4568, 4495..4563, 4641..4802, 4649..4690, 4668..4772, 4712..4801, 5483..5584		

Seq. No.	13197	Seq. ID	OJ991011_05.0103.C8
Gene No.	27986	Strand	+
Start	2654	End	9153
Name	OJ991011_05.0103.C8.o1.np	Method	AAT/NAP
Start	3853	End	8080
GI	5816992	Score	483
Exons	3853..3912, 4288..4404, 4495..4569, 4656..4799, 5483..5588, 5659..5860, 6893..6953, 7618..7716, 7964..8080		
GI Descrip.	(AL110123) putative protein [Arabidopsis thaliana]		

Seq. No.	13197	Seq. ID	OJ991011_05.0103.C8
Gene No.	27986	Strand	+
Start	2654	End	9153
Name	OJ991011_05.0103.C8.o1.tc	Method	TBLASTX:Cress
Start	3853	End	4790
GI	none	Score	76
Exons	3853..3912, 4318..4404, 4501..4566, 4656..4790		

Seq. No.	13197	Seq. ID	OJ991011_05.0103.C8
Gene No.	27986	Strand	+
Start	2654	End	9153
Name	OJ991011_05.0103.C8.o1.tm	Method	TBLASTX:Maize
Start	5489	End	6884
GI	none	Score	128
Exons	5489..5590, 5501..5587, 5624..5851, 5654..5851, 6540..6602, 6551..6616, 6750..6827, 6750..6827, 6819..6884, 6837..6872		

Seq. No.	13197	Seq. ID	OJ991011_05.0103.C8
Gene No.	27986	Strand	+
Start	2654	End	9153
Name	OJ991011_05.0103.C8.o1.gp	Method	AAT/GAP
Start	6805	End	8150

GI	LIB3432-014-P1-K1-G11	Score	787
Exons	6805..6971, 7642..7716, 7964..8150		
GI Descrip.	'5816992/emb|CAB53647.1| 6.0e-18 (AL110123) putative protein [Arabidopsis thaliana]'		

Seq. No.	13198	Seq. ID	OJ991011_05.0103.C9
Gene No.	27987	Strand	+
Start	210	End	465
Name	OJ991011_05.0103.C9.o1.gs	Method	GENSCAN
Start	210	End	465
GI	none	Score	.57
Exons	210..465		

Seq. No.	13199	Seq. ID	OJ991011_05.0103.C10
Gene No.	27988	Strand	+
Start	764	End	6541
Name	OJ991011_05.0103.C10.o1.gp	Method	AAT/GAP
Start	764	End	2089
GI	none	Score	1013
Exons	764..988, 1681..1916, 2010..2089		

Seq. No.	13199	Seq. ID	OJ991011_05.0103.C10
Gene No.	27988	Strand	+
Start	764	End	6541
Name	OJ991011_05.0103.C10.o1.gs	Method	GENSCAN
Start	793	End	6235
GI	none	Score	.65
Exons	793..1130, 1436..1469, 1681..1754, 2010..2145, 2326..2397, 3422..3519, 4033..4218, 4339..4365, 5386..5630, 6023..6235		

Seq. No.	13199	Seq. ID	OJ991011_05.0103.C10
Gene No.	27988	Strand	+
Start	764	End	6541
Name	OJ991011_05.0103.C10.o1.np	Method	AAT/NAP
Start	1943	End	6238
GI	4263791	Score	1693
Exons	1943..2145, 2326..2397, 2474..2545, 2689..2760, 3024..3096, 3182..3253, 3422..3511, 3800..3927, 4033..4365, 5386..5630, 5775..5908, 6023..6238		
GI Descrip.	(AC006068) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	13199	Seq. ID	OJ991011_05.0103.C10
Gene No.	27988	Strand	+
Start	764	End	6541
Name	OJ991011_05.0103.C10.o2.gp	Method	AAT/GAP
Start	2508	End	3877
GI	LIB3434-023-P1-K1-C1	Score	741
Exons	2508..2545, 2689..2760, 3024..3096, 3182..3253, 3422..3519, 3784..3877		
GI Descrip.	'4263791/gb|AAD15451| 6.0e-29 (AC006068) putative receptor protein kinase [Arabidopsis thaliana]'		

Seq. No.	13199	Seq. ID	OJ991011_05.0103.C10
Gene No.	27988	Strand	+
Start	764	End	6541
Name	OJ991011_05.0103.C10.o3.gp	Method	AAT/GAP

Start	5447	End	6153
GI	LIB3433-031-P1-K1-B10	Score	800
Exons	5447..5630, 5775..5908, 6023..6153		
GI Descrip.	'4263791/gb|AAD15451| 8.0e-65 (AC006068) putative receptor protein kinase [Arabidopsis thaliana]'		

Seq. No.	13199	Seq. ID	OJ991011_05.0103.C10
Gene No.	27988	Strand	+
Start	764	End	6541
Name	OJ991011_05.0103.C10.o4.gp	Method	AAT/GAP
Start	6127	End	6541
GI	5002802	Score	647
Exons	6127..6541		

Seq. No.	13199	Seq. ID	OJ991011_05.0103.C10
Gene No.	27989	Strand	+
Start	7699	End	8429
Name	OJ991011_05.0103.C10.o3.gs	Method	GENSCAN
Start	7699	End	8429
GI	none	Score	.72
Exons	7699..7754, 7868..8429		

Seq. No.	13199	Seq. ID	OJ991011_05.0103.C10
Gene No.	27989	Strand	+
Start	7699	End	8429
Name	OJ991011_05.0103.C10.o3.np	Method	AAT/NAP
Start	7965	End	8426
GI	1815660	Score	755
Exons	7965..8426		
GI Descrip.	(U83669) low molecular mass heat shock protein Oshsp17.3 [Oryza sativa]		

Seq. No.	13199	Seq. ID	OJ991011_05.0103.C10
Gene No.	27990	Strand	+
Start	9133	End	10179
Name	OJ991011_05.0103.C10.o4.gs	Method	GENSCAN
Start	9133	End	10179
GI	none	Score	.64
Exons	9133..9229, 10079..10179		

Seq. No.	13199	Seq. ID	OJ991011_05.0103.C10
Gene No.	27991	Strand	-
Start	6911	End	11635
Name	OJ991011_05.0103.C10.o3.tm	Method	TBLASTX:Maize
Start	1796	End	2102
GI	none	Score	115
Exons	1796..1882, 1801..1914, 1801..1917, 2008..2100, 2009..2101, 2010..2102		

Seq. No.	13199	Seq. ID	OJ991011_05.0103.C10
Gene No.	27991	Strand	-
Start	6911	End	11635
Name	OJ991011_05.0103.C10.o1.ts	Method	TBLASTX:Soybean
Start	2264	End	6181
GI	none	Score	67
Exons	2264..2419, 2469..2579, 2478..2555, 2496..2579, 2675..2731, 3025..3078, 3183..3254, 3420..3500, 3422..3478, 3800..3955,		

3803..3955, 3810..3974, 4031..4360, 4032..4364, 5367..5603,
5384..5602, 5596..5628, 5603..5629, 5763..5888, 5770..5904,
5771..5911, 6022..6177, 6023..6181

Seq. No.	13199	Seq. ID	OJ991011_05.0103.C10
Gene No.	27991	Strand	-
Start	6911	End	11635
Name	OJ991011_05.0103.C10.o4.tm	Method	TBLASTX:Maize
Start	2326	End	3260
GI	none	Score	113

Exons 2326..2397, 2327..2398, 2328..2405, 2474..2548, 2475..2546,
2476..2562, 2675..2728, 2689..2751, 2689..2751, 2690..2773,
2691..2759, 3023..3073, 3024..3077, 3025..3084, 3182..3259,
3183..3254, 3183..3260

Seq. No.	13199	Seq. ID	OJ991011_05.0103.C10
Gene No.	27991	Strand	-
Start	6911	End	11635
Name	OJ991011_05.0103.C10.o1.tc	Method	TBLASTX:Cress
Start	2439	End	5453
GI	none	Score	58

Exons 2439..2564, 2690..2731, 3025..3078, 3183..3254, 3420..3476,
3422..3478, 3809..3955, 3810..3974, 3813..3956, 4031..4360,
4032..4364, 4279..4365, 5367..5453, 5384..5446

Seq. No.	13199	Seq. ID	OJ991011_05.0103.C10
Gene No.	27991	Strand	-
Start	6911	End	11635
Name	OJ991011_05.0103.C10.o1.tm	Method	TBLASTX:Maize
Start	3809	End	6460
GI	none	Score	203

Exons 3809..3964, 3809..3955, 3810..3968, 3811..3966, 4030..4380,
4032..4379, 4306..4386, 5367..5603, 5384..5602, 5385..5603,
5602..5631, 5603..5629, 5604..5630, 5709..5912, 5752..5907,
5770..5964, 5771..5911, 6022..6234, 6023..6238, 6144..6239,
6264..6380, 6308..6346, 6333..6398, 6346..6399, 6374..6460

Seq. No.	13199	Seq. ID	OJ991011_05.0103.C10
Gene No.	27991	Strand	-
Start	6911	End	11635
Name	OJ991011_05.0103.C10.o2.tw	Method	TBLASTX:Wheat
Start	5400	End	5869
GI	none	Score	209

Exons 5400..5597, 5405..5566, 5770..5841, 5771..5836, 5828..5869

Seq. No.	13199	Seq. ID	OJ991011_05.0103.C10
Gene No.	27991	Strand	-
Start	6911	End	11635
Name	OJ991011_05.0103.C10.o3.tc	Method	TBLASTX:Cress
Start	5514	End	6310
GI	none	Score	132

Exons 5514..5603, 5516..5602, 5596..5628, 5603..5629, 5770..5910,
5771..5911, 6022..6228, 6023..6229, 6260..6310

Seq. No.	13199	Seq. ID	OJ991011_05.0103.C10
Gene No.	27991	Strand	-
Start	6911	End	11635

Name	OJ991011_05.0103.C10.o5.gp	Method	AAT/GAP
Start	6713	End	11586
GI	208_1.R1084	Score	1201
Exons	6713..7207, 11326..11586		
GI Descrip.	'1815660 2.0e-50 (U83669) low molecular mass heat shock protein Oshsp17.3 [Oryza sativa]'		

Seq. No.	13199	Seq. ID	OJ991011_05.0103.C10
Gene No.	27991	Strand	-
Start	6911	End	11635
Name	OJ991011_05.0103.C10.o2.tc	Method	TBLASTX:Cress
Start	6852	End	11496
GI	none	Score	194
Exons	6852..7127, 6977..7258, 7191..7259, 7343..7384, 7932..8018, 8081..8149, 8082..8366, 8213..8263, 11027..11377, 11029..11376, 11437..11496		

Seq. No.	13199	Seq. ID	OJ991011_05.0103.C10
Gene No.	27991	Strand	-
Start	6911	End	11635
Name	OJ991011_05.0103.C10.o2.tm	Method	TBLASTX:Maize
Start	6909	End	11512
GI	none	Score	329
Exons	6909..7268, 6977..7267, 7341..7397, 7343..7399, 7928..8059, 7962..8018, 8066..8263, 8070..8444, 8327..8443, 11017..11394, 11018..11377, 11431..11511, 11444..11512		

Seq. No.	13199	Seq. ID	OJ991011_05.0103.C10
Gene No.	27991	Strand	-
Start	6911	End	11635
Name	OJ991011_05.0103.C10.o2.gs	Method	GENSCAN
Start	6911	End	7396
GI	none	Score	.99
Exons	6911..7396		

Seq. No.	13199	Seq. ID	OJ991011_05.0103.C10
Gene No.	27991	Strand	-
Start	6911	End	11635
Name	OJ991011_05.0103.C10.o2.np	Method	AAT/NAP
Start	6914	End	7396
GI	2119194	Score	806
Exons	6914..7396		
GI Descrip.	low-molecular-weight heat-shock protein - rice gi|1815662 (U83670) low molecular mass heat shock protein Oshsp18.0 [Oryza sativa]		

Seq. No.	13199	Seq. ID	OJ991011_05.0103.C10
Gene No.	27991	Strand	-
Start	6911	End	11635
Name	OJ991011_05.0103.C10.o2.ts	Method	TBLASTX:Soybean
Start	6915	End	11496
GI	none	Score	234
Exons	6915..7265, 6932..7264, 7341..7385, 7343..7384, 7944..8018, 7976..8041, 8063..8263, 8088..8429, 10858..10920, 10972..11394, 11033..11377, 11431..11496		

Seq. No.	13199	Seq. ID	OJ991011_05.0103.C10

Gene No.	27991	Strand	-
Start	6911	End	11635
Name	OJ991011_05.0103.C10.o1.tw	Method	TBLASTX:Wheat
Start	7077	End	11635
GI	none	Score	184
Exons	7077..7262, 7079..7264, 7341..7397, 7343..7396, 7964..8050, 7965..8018, 8066..8263, 8070..8261, 11195..11377, 11197..11394, 11431..11526, 11444..11527, 11579..11635		

Seq. No.	13199	Seq. ID	OJ991011_05.0103.C10
Gene No.	27991	Strand	-
Start	6911	End	11635
Name	OJ991011_05.0103.C10.o4.np	Method	AAT/NAP
Start	11032	End	11508
GI	1815664	Score	824
Exons	11032..11508		
GI Descrip.	(U83671) low molecular mass heat shock protein Oshsp17.7 [Oryza sativa]		

Seq. No.	13200	Seq. ID	OJ991011_05.0103.C11
Gene No.	27992	Strand	+
Start	3650	End	4812
Name	OJ991011_05.0103.C11.o2.gs	Method	GENSCAN
Start	3650	End	4812
GI	none	Score	.56
Exons	3650..3745, 4069..4122, 4257..4425, 4494..4552, 4666..4812		

Seq. No.	13200	Seq. ID	OJ991011_05.0103.C11
Gene No.	27993	Strand	+
Start	11407	End	13923
Name	OJ991011_05.0103.C11.o2.gp	Method	AAT/GAP
Start	11326	End	11930
GI	none	Score	950
Exons	11326..11730, 11822..11930		

Seq. No.	13200	Seq. ID	OJ991011_05.0103.C11
Gene No.	27993	Strand	+
Start	11407	End	13923
Name	OJ991011_05.0103.C11.o4.gs	Method	GENSCAN
Start	11407	End	13889
GI	none	Score	.67
Exons	11407..11760, 11822..12198, 12678..12705, 12791..12883, 13476..13889		

Seq. No.	13200	Seq. ID	OJ991011_05.0103.C11
Gene No.	27993	Strand	+
Start	11407	End	13923
Name	OJ991011_05.0103.C11.o2.np	Method	AAT/NAP
Start	11458	End	13923
GI	4835767	Score	563
Exons	11458..11760, 11822..12198, 13476..13923		
GI Descrip.	(AC007202) T8K14.16 [Arabidopsis thaliana]		

Seq. No.	13200	Seq. ID	OJ991011_05.0103.C11
Gene No.	27994	Strand	-
Start	1405	End	3004
Name	OJ991011_05.0103.C11.o1.gp	Method	AAT/GAP

Start	1242	End	3004
GI	30_1.R1084	Score	2822
Exons	1242..1476, 1591..2097, 2193..2417, 2514..3004		
GI Descrip.	'3913641/sp|O64422|F16P_ORYSA 0.0e+00 FRUCTOSE-1,6-BISPHOSPHATASE, CHLOROPLAST PRECURSOR (D-FRUCTOSE-1,6-BISPHOSPHATE 1-PHOSPHOHYDROLASE) (FBPASE) >gi_3041777_dbj_BAA25423_ (AB007194) fructose-1,6-bisphosphatase [Oryza sativa]'		

Seq. No.	13200	Seq. ID	OJ991011_05.0103.C11
Gene No.	27994	Strand	-
Start	1405	End	3004
Name	OJ991011_05.0103.C11.o1.gs	Method	GENSCAN
Start	1405	End	2930
GI	none	Score	.97
Exons	1405..1476, 1591..2097, 2193..2417, 2514..2930		

Seq. No.	13200	Seq. ID	OJ991011_05.0103.C11
Gene No.	27994	Strand	-
Start	1405	End	3004
Name	OJ991011_05.0103.C11.o1.np	Method	AAT/NAP
Start	1408	End	2930
GI	3913641	Score	1979
Exons	1408..1476, 1591..2097, 2193..2417, 2514..2930		
GI Descrip.	FRUCTOSE-1,6-BISPHOSPHATASE, CHLOROPLAST PRECURSOR (D-FRUCTOSE-1,6-BISPHOSPHATE 1-PHOSPHOHYDROLASE) (FBPASE) gi|3041777|dbj|BAA25423| (AB007194) fructose-1,6-bisphosphatase [Oryza sativa]		

Seq. No.	13200	Seq. ID	OJ991011_05.0103.C11
Gene No.	27995	Strand	-
Start	5855	End	10790
Name	OJ991011_05.0103.C11.o1.tc	Method	TBLASTX:Cress
Start	1402	End	2729
GI	none	Score	89
Exons	1402..1479, 1403..1477, 1567..2097, 1592..1822, 1861..2046, 1886..2089, 2199..2420, 2200..2418, 2487..2729, 2511..2672, 2551..2682		

Seq. No.	13200	Seq. ID	OJ991011_05.0103.C11
Gene No.	27995	Strand	-
Start	5855	End	10790
Name	OJ991011_05.0103.C11.o1.tm	Method	TBLASTX:Maize
Start	1402	End	1928
GI	none	Score	105
Exons	1402..1479, 1405..1479, 1567..1923, 1568..1822, 1792..1896, 1799..1927, 1886..1921, 1905..1928		

Seq. No.	13200	Seq. ID	OJ991011_05.0103.C11
Gene No.	27995	Strand	-
Start	5855	End	10790
Name	OJ991011_05.0103.C11.o1.ts	Method	TBLASTX:Soybean
Start	1405	End	2729
GI	none	Score	249
Exons	1405..1440, 1435..1479, 1618..2097, 1625..1822, 1861..2046, 1889..2095, 2199..2420, 2200..2418, 2487..2729, 2514..2672, 2551..2682		

Seq. No.	13200	Seq. ID	OJ991011_05.0103.C11
Gene No.	27995	Strand	-
Start	5855	End	10790
Name	OJ991011_05.0103.C11.o1.tw	Method	TBLASTX:Wheat
Start	1555	End	1887
GI	none	Score	122
Exons	1555..1887, 1592..1804		

Seq. No.	13200	Seq. ID	OJ991011_05.0103.C11
Gene No.	27995	Strand	-
Start	5855	End	10790
Name	OJ991011_05.0103.C11.o3.tm	Method	TBLASTX:Maize
Start	2032	End	2910
GI	none	Score	103
Exons	2032..2097, 2033..2095, 2040..2132, 2190..2420, 2203..2418, 2382..2420, 2399..2428, 2487..2729, 2511..2672, 2512..2742, 2551..2682, 2872..2910		

Seq. No.	13200	Seq. ID	OJ991011_05.0103.C11
Gene No.	27995	Strand	-
Start	5855	End	10790
Name	OJ991011_05.0103.C11.o3.gs	Method	GENSCAN
Start	5855	End	10790
GI	none	Score	.55
Exons	5855..5988, 7183..7269, 8393..8652, 9437..9599, 9715..9854, 10126..10277, 10776..10790		

Seq. No.	13200	Seq. ID	OJ991011_05.0103.C11
Gene No.	27996	Strand	
Start	11283	End	13571
Name	OJ991011_05.0103.C11.o4.tm	Method	TBLASTX:Maize
Start	11283	End	11905
GI	none	Score	136
Exons	11283..11315, 11407..11484, 11407..11487, 11496..11552, 11533..11592, 11542..11574, 11583..11672, 11584..11670, 11629..11718, 11634..11738, 11685..11729, 11821..11904, 11822..11905		

Seq. No.	13200	Seq. ID	OJ991011_05.0103.C11
Gene No.	27996	Strand	
Start	11283	End	13571
Name	OJ991011_05.0103.C11.o3.ts	Method	TBLASTX:Soybean
Start	11599	End	13571
GI	none	Score	69
Exons	11599..11670, 11821..11928, 11822..11956, 11870..11956, 12001..12060, 12062..12166, 13473..13571, 13475..13570		

Seq. No.	13200	Seq. ID	OJ991011_05.0103.C11
Gene No.	27997	Strand	
Start	13548	End	13913
Name	OJ991011_05.0103.C11.o2.tm	Method	TBLASTX:Maize
Start	13548	End	13913
GI	none	Score	276
Exons	13548..13715, 13548..13664, 13712..13750, 13718..13909, 13719..13913, 13860..13913		

Seq. No.	13200	Seq. ID	OJ991011_05.0103.C11
Gene No.	27997	Strand	
Start	13548	End	13913
Name	OJ991011_05.0103.C11.o2.ts	Method	TBLASTX:Soybean
Start	13575	End	13913
GI	none	Score	353
Exons	13575..13913, 13619..13663, 13709..13909		

Seq. No.	13201	Seq. ID	OJ991011_04.0103.C1
Gene No.	27998	Strand	+
Start	526	End	1309
Name	OJ991011_04.0103.C1.o1.gs	Method	GENSCAN
Start	526	End	1309
GI	none	Score	.48
Exons	526..619, 814..971, 1110..1309		

Seq. No.	13202	Seq. ID	OJ991011_04.0103.C2
Gene No.	27999	Strand	+
Start	120	End	25401
Name	OJ991011_04.0103.C2.o1.np	Method	AAT/NAP
Start	120	End	11384
GI	4325357	Score	384
Exons	120..253, 9366..9882, 10706..11384		
GI Descrip.	(AF128395) contains similarity to Arabidopsis thaliana retrotransposon Athila hypothetical protein 1 (GB:X81801) [Arabidopsis thaliana]		

Seq. No.	13202	Seq. ID	OJ991011_04.0103.C2
Gene No.	27999	Strand	+
Start	120	End	25401
Name	OJ991011_04.0103.C2.o1.gs	Method	GENSCAN
Start	771	End	1537
GI	none	Score	.46
Exons	771..773, 1358..1537		

Seq. No.	13202	Seq. ID	OJ991011_04.0103.C2
Gene No.	27999	Strand	+
Start	120	End	25401
Name	OJ991011_04.0103.C2.o3.gs	Method	GENSCAN
Start	7665	End	10066
GI	none	Score	.58
Exons	7665..7727, 9230..9511, 9680..10066		

Seq. No.	13202	Seq. ID	OJ991011_04.0103.C2
Gene No.	27999	Strand	+
Start	120	End	25401
Name	OJ991011_04.0103.C2.o4.gs	Method	GENSCAN
Start	10406	End	14030
GI	none	Score	.83
Exons	10406..10523, 10563..10726, 10939..11164, 11212..11320, 12178..12398, 12781..12826, 13799..14030		

Seq. No.	13202	Seq. ID	OJ991011_04.0103.C2
Gene No.	27999	Strand	+
Start	120	End	25401
Name	OJ991011_04.0103.C2.o2.np	Method	AAT/NAP
Start	13113	End	25401

GI	5852180	Score	642
Exons	13113..13141, 17618..17688, 18671..18778, 18830..19241, 19943..19983, 25333..25401		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	13202	Seq. ID	OJ991011_04.0103.C2
Gene No.	28000	Strand	-
Start	2234	End	7200
Name	OJ991011_04.0103.C2.o2.gs	Method	GENSCAN
Start	2234	End	7200
GI	none	Score	.48
Exons	2234..2378, 2865..3062, 6454..6475, 6969..7200		

Seq. No.	13202	Seq. ID	OJ991011_04.0103.C2
Gene No.	28001	Strand	-
Start	17537	End	17920
Name	OJ991011_04.0103.C2.o1.ts	Method	TBLASTX:Soybean
Start	9449	End	9859
GI	none	Score	75
Exons	9449..9553, 9584..9859		

Seq. No.	13202	Seq. ID	OJ991011_04.0103.C2
Gene No.	28001	Strand	-
Start	17537	End	17920
Name	OJ991011_04.0103.C2.o1.tw	Method	TBLASTX:Wheat
Start	9449	End	9844
GI	none	Score	111
Exons	9449..9565, 9584..9796, 9770..9844		

Seq. No.	13202	Seq. ID	OJ991011_04.0103.C2
Gene No.	28001	Strand	-
Start	17537	End	17920
Name	OJ991011_04.0103.C2.o1.tc	Method	TBLASTX:Cress
Start	9596	End	9904
GI	none	Score	188
Exons	9596..9904		

Seq. No.	13202	Seq. ID	OJ991011_04.0103.C2
Gene No.	28001	Strand	-
Start	17537	End	17920
Name	OJ991011_04.0103.C2.o1.gp	Method	AAT/GAP
Start	17537	End	17920
GI	uC-osflcyp033a04b1	Score	673
Exons	17537..17920		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	13203	Seq. ID	OJ991011_04.0103.C3
Gene No.	28002	Strand	+
Start	1	End	4714
Name	OJ991011_04.0103.C3.o1.np	Method	AAT/NAP
Start	1	End	4714
GI	5852180	Score	411
Exons	1..29, 3244..3341, 4340..4714		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	13203	Seq. ID	OJ991011_04.0103.C3

Gene No.	28002	Strand	+
Start	1	End	4714
Name	OJ991011_04.0103.C3.o1.gs	Method	GENSCAN
Start	191	End	732
GI	none	Score	.52
Exons	191..732		

Seq. No.	13203	Seq. ID	OJ991011_04.0103.C3
Gene No.	28002	Strand	+
Start	1	End	4714
Name	OJ991011_04.0103.C3.o1.gp	Method	AAT/GAP
Start	3442	End	3963
GI	uC-osflM202048c12b1	Score	826
Exons	3442..3963		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	13203	Seq. ID	OJ991011_04.0103.C3
Gene No.	28002	Strand	+
Start	1	End	4714
Name	OJ991011_04.0103.C3.o2.gp	Method	AAT/GAP
Start	4104	End	4174
GI	uC-osroM202024h08a1	Score	86
Exons	4104..4174		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	13203	Seq. ID	OJ991011_04.0103.C3
Gene No.	28003	Strand	-
Start	4369	End	5107
Name	OJ991011_04.0103.C3.o2.gs	Method	GENSCAN
Start	4369	End	5107
GI	none	Score	.49
Exons	4369..4572, 5080..5107		

Seq. No.	13204	Seq. ID	OJ991011_04.0103.C4
Gene No.	28004	Strand	-
Start	310	End	6941
Name	OJ991011_04.0103.C4.o1.gs	Method	GENSCAN
Start	310	End	3577
GI	none	Score	.68
Exons	310..593, 599..627, 650..890, 2171..2202, 3326..3577		

Seq. No.	13204	Seq. ID	OJ991011_04.0103.C4
Gene No.	28004	Strand	-
Start	310	End	6941
Name	OJ991011_04.0103.C4.o1.np	Method	AAT/NAP
Start	791	End	1456
GI	6691193	Score	153
Exons	791..1324, 1389..1456		
GI Descrip.	(AC007534) F7F22.17 [Arabidopsis thaliana]		

Seq. No.	13204	Seq. ID	OJ991011_04.0103.C4
Gene No.	28004	Strand	-
Start	310	End	6941
Name	OJ991011_04.0103.C4.o2.np	Method	AAT/NAP
Start	2056	End	6428

GI	6063554	Score	174
Exons	2056..2202, 2819..2849, 3329..3554, 3653..3910, 6387..6428		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	13204	Seq. ID	OJ991011_04.0103.C4
Gene No.	28004	Strand	-
Start	310	End	6941
Name	OJ991011_04.0103.C4.o1.gp	Method	AAT/GAP
Start	5820	End	6941
GI	57713_5.R1084	Score	523
Exons	5820..6067, 6856..6941		
GI Descrip.	'6015116/sp|O82653|ERG_ARATH 3.0e-34 GTP-BINDING PROTEIN ERG >gi_3676071_emb_CAA76979_ (Y17969) ERG protein [Arabidopsis thaliana]'		

Seq. No.	13205	Seq. ID	OJ991011_04.0103.C5
Gene No.	28005	Strand	-
Start	690	End	8327
Name	OJ991011_04.0103.C5.o1.gs	Method	GENSCAN
Start	690	End	8327
GI	none	Score	.44
Exons	690..788, 946..1045, 1136..1243, 1279..1499, 1553..1606, 2326..2358, 2719..2886, 4780..5452, 6146..6195, 8134..8221, 8272..8327		

Seq. No.	13205	Seq. ID	OJ991011_04.0103.C5
Gene No.	28005	Strand	-
Start	690	End	8327
Name	OJ991011_04.0103.C5.o1.gp	Method	AAT/GAP
Start	930	End	1576
GI	57713_5.R1084	Score	784
Exons	930..1045, 1136..1384, 1471..1576		
GI Descrip.	'6015116/sp|O82653|ERG_ARATH 3.0e-34 GTP-BINDING PROTEIN ERG >gi_3676071_emb_CAA76979_ (Y17969) ERG protein [Arabidopsis thaliana]'		

Seq. No.	13205	Seq. ID	OJ991011_04.0103.C5
Gene No.	28005	Strand	-
Start	690	End	8327
Name	OJ991011_04.0103.C5.o1.np	Method	AAT/NAP
Start	4210	End	4825
GI	6721559	Score	398
Exons	4210..4343, 4371..4825		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	13205	Seq. ID	OJ991011_04.0103.C5
Gene No.	28005	Strand	-
Start	690	End	8327
Name	OJ991011_04.0103.C5.o2.np	Method	AAT/NAP
Start	6106	End	6872
GI	4680183	Score	164
Exons	6106..6195, 6802..6872		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	13206	Seq. ID	OJ991011_04.0103.C7
Gene No.	28006	Strand	-
Start	1687	End	6949
Name	OJ991011_04.0103.C7.o1.ts	Method	TBLASTX:Soybean
Start	1657	End	2347
GI	none	Score	57
Exons	1657..1761, 1675..1956, 1846..2022, 2048..2347, 2052..2345		

Seq. No.	13206	Seq. ID	OJ991011_04.0103.C7
Gene No.	28006	Strand	-
Start	1687	End	6949
Name	OJ991011_04.0103.C7.o2.np	Method	AAT/NAP
Start	1687	End	5929
GI	4586028	Score	1573
Exons	1687..3283, 3481..3612, 3679..4630, 4658..5929		
GI Descrip.	(AC007109) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	13206	Seq. ID	OJ991011_04.0103.C7
Gene No.	28006	Strand	-
Start	1687	End	6949
Name	OJ991011_04.0103.C7.o1.np	Method	AAT/NAP
Start	1690	End	6745
GI	2961349	Score	1686
Exons	1690..3287, 3742..5000, 5561..5955, 6638..6745		
GI Descrip.	(AL022140) LTR retrotransposon like protein [Arabidopsis thaliana]		

Seq. No.	13206	Seq. ID	OJ991011_04.0103.C7
Gene No.	28006	Strand	-
Start	1687	End	6949
Name	OJ991011_04.0103.C7.o1.tm	Method	TBLASTX:Maize
Start	1744	End	2365
GI	none	Score	55
Exons	1744..1929, 1829..1930, 2045..2365, 2048..2077, 2154..2267		

Seq. No.	13206	Seq. ID	OJ991011_04.0103.C7
Gene No.	28006	Strand	-
Start	1687	End	6949
Name	OJ991011_04.0103.C7.o3.tw	Method	TBLASTX:Wheat
Start	2111	End	2497
GI	none	Score	42
Exons	2111..2356, 2120..2155, 2226..2357, 2378..2497		

Seq. No.	13206	Seq. ID	OJ991011_04.0103.C7
Gene No.	28006	Strand	-
Start	1687	End	6949
Name	OJ991011_04.0103.C7.o4.ts	Method	TBLASTX:Soybean
Start	2375	End	2554
GI	none	Score	124
Exons	2375..2554, 2409..2552		

Seq. No.	13206	Seq. ID	OJ991011_04.0103.C7
Gene No.	28006	Strand	-
Start	1687	End	6949
Name	OJ991011_04.0103.C7.o3.tc	Method	TBLASTX:Cress

Start	2411	End	2689
GI	none	Score	78
Exons	2411..2689, 2415..2642		

Seq. No.	13206	Seq. ID	OJ991011_04.0103.C7
Gene No.	28006	Strand	-
Start	1687	End	6949
Name	OJ991011_04.0103.C7.o3.tm	Method	TBLASTX:Maize
Start	2474	End	2914
GI	none	Score	330
Exons	2474..2914		

Seq. No.	13206	Seq. ID	OJ991011_04.0103.C7
Gene No.	28006	Strand	-
Start	1687	End	6949
Name	OJ991011_04.0103.C7.o2.tw	Method	TBLASTX:Wheat
Start	2507	End	2992
GI	none	Score	54
Exons	2507..2716, 2544..2669, 2708..2992, 2763..2894, 2940..2990		

Seq. No.	13206	Seq. ID	OJ991011_04.0103.C7
Gene No.	28006	Strand	-
Start	1687	End	6949
Name	OJ991011_04.0103.C7.o2.ts	Method	TBLASTX:Soybean
Start	2733	End	3216
GI	5509260	Score	103
Exons	2733..2894, 2738..2992, 2961..2993, 2989..3216		
GI Descrip.	-		

Seq. No.	13206	Seq. ID	OJ991011_04.0103.C7
Gene No.	28006	Strand	-
Start	1687	End	6949
Name	OJ991011_04.0103.C7.o2.tc	Method	TBLASTX:Cress
Start	2834	End	3102
GI	none	Score	89
Exons	2834..2992, 2843..2992, 2989..3102		

Seq. No.	13206	Seq. ID	OJ991011_04.0103.C7
Gene No.	28006	Strand	-
Start	1687	End	6949
Name	OJ991011_04.0103.C7.o6.tm	Method	TBLASTX:Maize
Start	2921	End	3192
GI	none	Score	167
Exons	2921..2992, 2989..3192		

Seq. No.	13206	Seq. ID	OJ991011_04.0103.C7
Gene No.	28006	Strand	-
Start	1687	End	6949
Name	OJ991011_04.0103.C7.o2.tm	Method	TBLASTX:Maize
Start	3726	End	4393
GI	none	Score	62
Exons	3726..3986, 3755..4312, 4008..4238, 4106..4270, 4322..4393		

Seq. No.	13206	Seq. ID	OJ991011_04.0103.C7
Gene No.	28006	Strand	-
Start	1687	End	6949
Name	OJ991011_04.0103.C7.o1.tc	Method	TBLASTX:Cress

Start	3752	End	4201
GI	none	Score	76
Exons	3752..4201, 4026..4175		

Seq. No.	13206	Seq. ID	OJ991011_04.0103.C7
Gene No.	28006	Strand	-
Start	1687	End	6949
Name	OJ991011_04.0103.C7.o3.ts	Method	TBLASTX:Soybean
Start	3755	End	4216
GI	none	Score	95
Exons	3755..4216, 3915..4142		

Seq. No.	13206	Seq. ID	OJ991011_04.0103.C7
Gene No.	28006	Strand	-
Start	1687	End	6949
Name	OJ991011_04.0103.C7.o1.tw	Method	TBLASTX:Wheat
Start	3773	End	4381
GI	none	Score	64
Exons	3773..3895, 3890..3979, 3995..4381, 4026..4325		

Seq. No.	13206	Seq. ID	OJ991011_04.0103.C7
Gene No.	28006	Strand	-
Start	1687	End	6949
Name	OJ991011_04.0103.C7.o5.tm	Method	TBLASTX:Maize
Start	4402	End	4741
GI	none	Score	86
Exons	4402..4605, 4403..4528, 4406..4639, 4407..4640, 4673..4741		

Seq. No.	13206	Seq. ID	OJ991011_04.0103.C7
Gene No.	28006	Strand	-
Start	1687	End	6949
Name	OJ991011_04.0103.C7.o2.gs	Method	GENSCAN
Start	4688	End	6105
GI	none	Score	.8
Exons	4688..4812, 5058..6105		

Seq. No.	13206	Seq. ID	OJ991011_04.0103.C7
Gene No.	28006	Strand	-
Start	1687	End	6949
Name	OJ991011_04.0103.C7.o3.np	Method	AAT/NAP
Start	5176	End	6949
GI	6815671	Score	51
Exons	5176..5320, 6926..6949		
GI Descrip.	(AF184489) gag protein [Human immunodeficiency virus type 1]		

Seq. No.	13206	Seq. ID	OJ991011_04.0103.C7
Gene No.	28006	Strand	-
Start	1687	End	6949
Name	OJ991011_04.0103.C7.o4.tm	Method	TBLASTX:Maize
Start	5813	End	6120
GI	none	Score	255
Exons	5813..6109, 5814..6104, 5821..6120		

Seq. No.	13206	Seq. ID	OJ991011_04.0103.C7
Gene No.	28006	Strand	-
Start	1687	End	6949
Name	OJ991011_04.0103.C7.o3.gs	Method	GENSCAN

Start	6515	End	6820
GI	none	Score	.93
Exons	6515..6724, 6770..6820		

Seq. No.	13207	Seq. ID	OJ991011_04.0103.C8
Gene No.	28007	Strand	+
Start	777	End	1327
Name	OJ991011_04.0103.C8.o1.gs	Method	GENSCAN
Start	777	End	1327
GI	none	Score	.81
Exons	777..828, 1167..1327		

Seq. No.	13207	Seq. ID	OJ991011_04.0103.C8
Gene No.	28008	Strand	-
Start	1171	End	9200
Name	OJ991011_04.0103.C8.o1.np	Method	AAT/NAP
Start	1171	End	3576
GI	4580990	Score	743
Exons	1171..1275, 1915..3576		
GI Descrip.	(AF120335) putative transposase [Arabidopsis thaliana]		

Seq. No.	13207	Seq. ID	OJ991011_04.0103.C8
Gene No.	28008	Strand	-
Start	1171	End	9200
Name	OJ991011_04.0103.C8.o1.tm	Method	TBLASTX:Maize
Start	1927	End	3271
GI	none	Score	158
Exons	1927..2004, 2062..2124, 2373..3077, 2443..3003, 2766..3077, 3072..3164, 3170..3271		

Seq. No.	13207	Seq. ID	OJ991011_04.0103.C8
Gene No.	28008	Strand	-
Start	1171	End	9200
Name	OJ991011_04.0103.C8.o2.gs	Method	GENSCAN
Start	2172	End	6188
GI	none	Score	.53
Exons	2172..2944, 3023..3125, 3314..3517, 3653..3750, 4280..4699, 5757..5903, 6113..6188		

Seq. No.	13207	Seq. ID	OJ991011_04.0103.C8
Gene No.	28008	Strand	-
Start	1171	End	9200
Name	OJ991011_04.0103.C8.o1.ts	Method	TBLASTX:Soybean
Start	2373	End	2999
GI	none	Score	135
Exons	2373..2999, 2397..2729		

Seq. No.	13207	Seq. ID	OJ991011_04.0103.C8
Gene No.	28008	Strand	-
Start	1171	End	9200
Name	OJ991011_04.0103.C8.o1.tc	Method	TBLASTX:Cress
Start	2475	End	2918
GI	none	Score	279
Exons	2475..2918		

Seq. No.	13207	Seq. ID	OJ991011_04.0103.C8
Gene No.	28008	Strand	-

Start	1171	End	9200
Name	OJ991011_04.0103.C8.o5.tw	Method	TBLASTX:Wheat
Start	2680	End	2990
GI	none	Score	51
Exons	2680..2811, 2694..2990, 2896..2982		

Seq. No.	13207	Seq. ID	OJ991011_04.0103.C8
Gene No.	28008	Strand	-
Start	1171	End	9200
Name	OJ991011_04.0103.C8.o2.tc	Method	TBLASTX:Cress
Start	3051	End	3427
GI	none	Score	172
Exons	3051..3170, 3185..3427		

Seq. No.	13207	Seq. ID	OJ991011_04.0103.C8
Gene No.	28008	Strand	-
Start	1171	End	9200
Name	OJ991011_04.0103.C8.o3.ts	Method	TBLASTX:Soybean
Start	3081	End	3491
GI	none	Score	86
Exons	3081..3167, 3185..3490, 3342..3491		

Seq. No.	13207	Seq. ID	OJ991011_04.0103.C8
Gene No.	28008	Strand	-
Start	1171	End	9200
Name	OJ991011_04.0103.C8.o5.tm	Method	TBLASTX:Maize
Start	3272	End	3748
GI	none	Score	99
Exons	3272..3550, 3273..3509, 3558..3671, 3584..3673, 3710..3748		

Seq. No.	13207	Seq. ID	OJ991011_04.0103.C8
Gene No.	28008	Strand	-
Start	1171	End	9200
Name	OJ991011_04.0103.C8.o2.np	Method	AAT/NAP
Start	5848	End	9200
GI	6466937	Score	1630
Exons	5848..5905, 6793..9200		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	13207	Seq. ID	OJ991011_04.0103.C8
Gene No.	28008	Strand	-
Start	1171	End	9200
Name	OJ991011_04.0103.C8.o3.gs	Method	GENSCAN
Start	6871	End	9164
GI	none	Score	.86
Exons	6871..7727, 7955..9164		

Seq. No.	13207	Seq. ID	OJ991011_04.0103.C8
Gene No.	28008	Strand	-
Start	1171	End	9200
Name	OJ991011_04.0103.C8.o4.tm	Method	TBLASTX:Maize
Start	6883	End	7365
GI	none	Score	238
Exons	6883..7071, 7054..7365		

Seq. No.	13207	Seq. ID	OJ991011_04.0103.C8

Gene No.	28008	Strand	-
Start	1171	End	9200
Name	OJ991011_04.0103.C8.o1.tw	Method	TBLASTX:Wheat
Start	7249	End	7842
GI	none	Score	114
Exons	7249..7365, 7456..7842, 7505..7747		

Seq. No.	13207	Seq. ID	OJ991011_04.0103.C8
Gene No.	28008	Strand	-
Start	1171	End	9200
Name	OJ991011_04.0103.C8.o2.tm	Method	TBLASTX:Maize
Start	7460	End	8096
GI	none	Score	129
Exons	7460..7747, 7462..7842, 7489..7833, 7762..8094, 7839..7922, 7983..8096		

Seq. No.	13207	Seq. ID	OJ991011_04.0103.C8
Gene No.	28008	Strand	-
Start	1171	End	9200
Name	OJ991011_04.0103.C8.o4.ts	Method	TBLASTX:Soybean
Start	7690	End	8075
GI	none	Score	152
Exons	7690..7842, 7819..8064, 7839..8075, 7842..8066		

Seq. No.	13207	Seq. ID	OJ991011_04.0103.C8
Gene No.	28008	Strand	-
Start	1171	End	9200
Name	OJ991011_04.0103.C8.o3.tw	Method	TBLASTX:Wheat
Start	7936	End	8366
GI	none	Score	53
Exons	7936..8145, 7977..8138, 8130..8366, 8259..8360		

Seq. No.	13207	Seq. ID	OJ991011_04.0103.C8
Gene No.	28008	Strand	-
Start	1171	End	9200
Name	OJ991011_04.0103.C8.o6.tm	Method	TBLASTX:Maize
Start	8097	End	8501
GI	none	Score	70
Exons	8097..8141, 8130..8327, 8172..8309, 8346..8501		

Seq. No.	13207	Seq. ID	OJ991011_04.0103.C8
Gene No.	28008	Strand	-
Start	1171	End	9200
Name	OJ991011_04.0103.C8.o4.tw	Method	TBLASTX:Wheat
Start	8388	End	8798
GI	none	Score	56
Exons	8388..8798, 8455..8571, 8632..8661		

Seq. No.	13207	Seq. ID	OJ991011_04.0103.C8
Gene No.	28008	Strand	-
Start	1171	End	9200
Name	OJ991011_04.0103.C8.o3.tm	Method	TBLASTX:Maize
Start	8502	End	9041
GI	none	Score	79
Exons	8502..8786, 8542..8727, 8770..8979, 8787..9041, 8826..9002		

Seq. No.	13207	Seq. ID	OJ991011_04.0103.C8

Gene No.	28008	Strand	-
Start	1171	End	9200
Name	OJ991011_04.0103.C8.o5.ts	Method	TBLASTX:Soybean
Start	8518	End	8759
GI	none	Score	40
Exons	8518..8580, 8520..8759, 8611..8727		

Seq. No.	13207	Seq. ID	OJ991011_04.0103.C8
Gene No.	28008	Strand	-
Start	1171	End	9200
Name	OJ991011_04.0103.C8.o2.ts	Method	TBLASTX:Soybean
Start	8790	End	9158
GI	none	Score	77
Exons	8790..9158, 8794..9024		

Seq. No.	13207	Seq. ID	OJ991011_04.0103.C8
Gene No.	28008	Strand	-
Start	1171	End	9200
Name	OJ991011_04.0103.C8.o2.tw	Method	TBLASTX:Wheat
Start	8877	End	9200
GI	none	Score	116
Exons	8877..9200, 8901..9191, 8916..9164, 9079..9195		

Seq. No.	13208	Seq. ID	OJ991011_04.0103.C10
Gene No.	28009	Strand	+
Start	889	End	1552
Name	OJ991011_04.0103.C10.o1.gs	Method	GENSCAN
Start	889	End	1552
GI	none	Score	.86
Exons	889..943, 1051..1200, 1500..1552		

Seq. No.	13209	Seq. ID	OJ991011_04.0103.C11
Gene No.	28010	Strand	+
Start	3429	End	3509
Name	OJ991011_04.0103.C11.o2.gp	Method	AAT/GAP
Start	3429	End	3509
GI	LIB3477-003-P1-K1-E9	Score	142
Exons	3429..3509		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	13209	Seq. ID	OJ991011_04.0103.C11
Gene No.	28011	Strand	-
Start	395	End	3428
Name	OJ991011_04.0103.C11.o1.gs	Method	GENSCAN
Start	395	End	3329
GI	none	Score	.67
Exons	395..802, 1312..1553, 2296..2319, 2647..3208, 3214..3329		

Seq. No.	13209	Seq. ID	OJ991011_04.0103.C11
Gene No.	28011	Strand	-
Start	395	End	3428
Name	OJ991011_04.0103.C11.o2.tm	Method	TBLASTX:Maize
Start	2624	End	3131
GI	none	Score	66
Exons	2624..2695, 2625..2705, 2830..2886, 2909..3130, 2933..3130,		

2940..3131

Seq. No.	13209	Seq. ID	OJ991011_04.0103.C11
Gene No.	28011	Strand	-
Start	395	End	3428
Name	OJ991011_04.0103.C11.o1.tm	Method	TBLASTX:Maize
Start	3176	End	3428
GI	none	Score	47
Exons	3176..3217, 3177..3218, 3217..3369, 3217..3378, 3218..3376, 3378..3428		

Seq. No.	13210	Seq. ID	OJ991011_04.0103.C12
Gene No.	28012	Strand	+
Start	166	End	350
Name	OJ991011_04.0103.C12.o1.gs	Method	GENSCAN
Start	166	End	350
GI	none	Score	.52
Exons	166..350		

Seq. No.	13210	Seq. ID	OJ991011_04.0103.C12
Gene No.	28013	Strand	-
Start	645	End	1450
Name	OJ991011_04.0103.C12.o2.gs	Method	GENSCAN
Start	645	End	1207
GI	none	Score	.6
Exons	645..735, 1023..1207		

Seq. No.	13210	Seq. ID	OJ991011_04.0103.C12
Gene No.	28013	Strand	-
Start	645	End	1450
Name	OJ991011_04.0103.C12.o1.tm	Method	TBLASTX:Maize
Start	927	End	1235
GI	none	Score	343
Exons	927..1235, 927..1220, 929..1234		

Seq. No.	13210	Seq. ID	OJ991011_04.0103.C12
Gene No.	28013	Strand	-
Start	645	End	1450
Name	OJ991011_04.0103.C12.o1.np	Method	AAT/NAP
Start	995	End	1450
GI	5911167	Score	284
Exons	995..1450		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		

Seq. No.	13210	Seq. ID	OJ991011_04.0103.C12
Gene No.	28013	Strand	-
Start	645	End	1450
Name	OJ991011_04.0103.C12.o1.tw	Method	TBLASTX:Wheat
Start	1037	End	1232
GI	none	Score	74
Exons	1037..1231, 1041..1232		

Seq. No.	13211	Seq. ID	OJ991201_07.0118.C1
Gene No.	28014	Strand	+
Start	6979	End	7396
Name	OJ991201_07.0118.C1.o5.gp	Method	AAT/GAP
Start	6979	End	7396

GI	LIB3431-028-P1-N1-A10	Score	816
Exons	6979..7396		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	13211	Seq. ID	OJ991201_07.0118.C1
Gene No.	28015	Strand	-
Start	5542	End	5684
Name	OJ991201_07.0118.C1.o2.gp	Method	AAT/GAP
Start	5542	End	5684
GI	21474_1.R1084	Score	246
Exons	5542..5684		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	13211	Seq. ID	OJ991201_07.0118.C1
Gene No.	28016	Strand	-
Start	6110	End	7952
Name	OJ991201_07.0118.C1.o1.tm	Method	TBLASTX:Maize
Start	32	End	705
GI	none	Score	119
Exons	32..160, 32..136, 157..528, 204..527, 532..618, 682..705		

Seq. No.	13211	Seq. ID	OJ991201_07.0118.C1
Gene No.	28016	Strand	-
Start	6110	End	7952
Name	OJ991201_07.0118.C1.o2.tw	Method	TBLASTX:Wheat
Start	38	End	435
GI	none	Score	119
Exons	38..154, 38..139, 211..366, 223..360, 376..435		

Seq. No.	13211	Seq. ID	OJ991201_07.0118.C1
Gene No.	28016	Strand	-
Start	6110	End	7952
Name	OJ991201_07.0118.C1.o1.ts	Method	TBLASTX:Soybean
Start	292	End	849
GI	none	Score	91
Exons	292..450, 532..624, 643..849		

Seq. No.	13211	Seq. ID	OJ991201_07.0118.C1
Gene No.	28016	Strand	-
Start	6110	End	7952
Name	OJ991201_07.0118.C1.o1.tw	Method	TBLASTX:Wheat
Start	485	End	7950
GI	none	Score	56
Exons	485..622, 7090..7182, 7171..7251, 7256..7336, 7258..7374, 7258..7404, 7265..7405, 7352..7447, 7384..7443, 7450..7494, 7455..7490, 7489..7950, 7505..7933		

Seq. No.	13211	Seq. ID	OJ991201_07.0118.C1
Gene No.	28016	Strand	-
Start	6110	End	7952
Name	OJ991201_07.0118.C1.o3.tw	Method	TBLASTX:Wheat
Start	625	End	990
GI	none	Score	197
Exons	625..888, 684..869, 892..990		

Seq. No.	13211	Seq. ID	OJ991201_07.0118.C1
Gene No.	28016	Strand	-
Start	6110	End	7952
Name	OJ991201_07.0118.C1.o2.tm	Method	TBLASTX:Maize
Start	892	End	1350
GI	none	Score	168
Exons	892..1257, 1288..1350		

Seq. No.	13211	Seq. ID	OJ991201_07.0118.C1
Gene No.	28016	Strand	-
Start	6110	End	7952
Name	OJ991201_07.0118.C1.o3.gp	Method	AAT/GAP
Start	6110	End	7952
GI	342_1.R1084	Score	2769
Exons	6110..6625, 6735..6832, 6915..6934, 6970..7952		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	13211	Seq. ID	OJ991201_07.0118.C1
Gene No.	28016	Strand	-
Start	6110	End	7952
Name	OJ991201_07.0118.C1.o7.gp	Method	AAT/GAP
Start	6253	End	7952
GI	342_1.R1084	Score	2518
Exons	6253..6625, 6735..6832, 6915..6934, 6970..7952		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	13211	Seq. ID	OJ991201_07.0118.C1
Gene No.	28016	Strand	-
Start	6110	End	7952
Name	OJ991201_07.0118.C1.o6.gp	Method	AAT/GAP
Start	6255	End	7952
GI	342_1.R1084	Score	2514
Exons	6255..6625, 6735..6832, 6915..6934, 6970..7952		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	13211	Seq. ID	OJ991201_07.0118.C1
Gene No.	28016	Strand	-
Start	6110	End	7952
Name	OJ991201_07.0118.C1.o3.np	Method	AAT/NAP
Start	7036	End	7952
GI	4680203	Score	882
Exons	7036..7952		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	13212	Seq. ID	OJ991201_07.0118.C2
Gene No.	28017	Strand	-
Start	1	End	1075
Name	OJ991201_07.0118.C2.o1.gp	Method	AAT/GAP
Start	1	End	1075
GI	342_1.R1084	Score	1982
Exons	1..1075		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	13212	Seq. ID	OJ991201_07.0118.C2
Gene No.	28017	Strand	-
Start	1	End	1075
Name	OJ991201_07.0118.C2.o1.np	Method	AAT/NAP
Start	1	End	1075
GI	6742729	Score	1710
Exons	1..1075		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	13212	Seq. ID	OJ991201_07.0118.C2
Gene No.	28017	Strand	-
Start	1	End	1075
Name	OJ991201_07.0118.C2.o2.tw	Method	TBLASTX:Wheat
Start	80	End	528
GI	none	Score	83
Exons	80..163, 82..168, 236..448, 237..455, 277..459, 465..527, 478..528		

Seq. No.	13212	Seq. ID	OJ991201_07.0118.C2
Gene No.	28017	Strand	-
Start	1	End	1075
Name	OJ991201_07.0118.C2.o1.ts	Method	TBLASTX:Soybean
Start	561	End	803
GI	none	Score	206
Exons	561..803		

Seq. No.	13212	Seq. ID	OJ991201_07.0118.C2
Gene No.	28017	Strand	-
Start	1	End	1075
Name	OJ991201_07.0118.C2.o1.tm	Method	TBLASTX:Maize
Start	633	End	1071
GI	none	Score	94
Exons	633..827, 837..1070, 837..1070, 838..1071		

Seq. No.	13212	Seq. ID	OJ991201_07.0118.C2
Gene No.	28017	Strand	-
Start	1	End	1075
Name	OJ991201_07.0118.C2.o1.tw	Method	TBLASTX:Wheat
Start	667	End	1071
GI	none	Score	173
Exons	667..873, 667..876, 672..896, 876..974, 877..969, 957..1070, 978..1070, 982..1071		

Seq. No.	13213	Seq. ID	OJ991201_07.0118.C3
Gene No.	28018	Strand	+
Start	4933	End	5721
Name	OJ991201_07.0118.C3.o2.gs	Method	GENSCAN
Start	4933	End	5721
GI	none	Score	.58
Exons	4933..5259, 5295..5386, 5601..5721		

Seq. No.	13213	Seq. ID	OJ991201_07.0118.C3
Gene No.	28019	Strand	+
Start	10392	End	13545
Name	OJ991201_07.0118.C3.o2.np	Method	AAT/NAP
Start	10392	End	13545
GI	5295955	Score	334

Exons	10392..10583, 11732..11808, 12339..12453, 13156..13437, 13464..13545		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		
Seq. No.	13213	Seq. ID	OJ991201_07.0118.C3
Gene No.	28020	Strand	-
Start	1561	End	1776
Name	OJ991201_07.0118.C3.o1.gs	Method	GENSCAN
Start	1561	End	1776
GI	none	Score	.89
Exons	1561..1776		
Seq. No.	13213	Seq. ID	OJ991201_07.0118.C3
Gene No.	28021	Strand	-
Start	6154	End	10735
Name	OJ991201_07.0118.C3.o1.np	Method	AAT/NAP
Start	6154	End	10735
GI	4680179	Score	6414
Exons	6154..10735		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	13213	Seq. ID	OJ991201_07.0118.C3
Gene No.	28021	Strand	-
Start	6154	End	10735
Name	OJ991201_07.0118.C3.o7.tm	Method	TBLASTX:Maize
Start	6178	End	6390
GI	none	Score	204
Exons	6178..6390		
Seq. No.	13213	Seq. ID	OJ991201_07.0118.C3
Gene No.	28021	Strand	-
Start	6154	End	10735
Name	OJ991201_07.0118.C3.o6.tw	Method	TBLASTX:Wheat
Start	6199	End	6532
GI	none	Score	75
Exons	6199..6531, 6395..6532		
Seq. No.	13213	Seq. ID	OJ991201_07.0118.C3
Gene No.	28021	Strand	-
Start	6154	End	10735
Name	OJ991201_07.0118.C3.o1.tm	Method	TBLASTX:Maize
Start	6391	End	6978
GI	none	Score	124
Exons	6391..6660, 6392..6604, 6721..6819, 6722..6817, 6817..6978, 6824..6970		
Seq. No.	13213	Seq. ID	OJ991201_07.0118.C3
Gene No.	28021	Strand	-
Start	6154	End	10735
Name	OJ991201_07.0118.C3.o1.tw	Method	TBLASTX:Wheat
Start	6532	End	7158
GI	none	Score	57
Exons	6532..7158, 6533..6610, 6535..7068, 6653..7102		
Seq. No.	13213	Seq. ID	OJ991201_07.0118.C3
Gene No.	28021	Strand	-

Start	6154	End	10735
Name	OJ991201_07.0118.C3.o3.tm	Method	TBLASTX:Maize
Start	7027	End	7318
GI	none	Score	159
Exons	7027..7317, 7030..7248, 7175..7318		

Seq. No.	13213	Seq. ID	OJ991201_07.0118.C3
Gene No.	28021	Strand	-
Start	6154	End	10735
Name	OJ991201_07.0118.C3.o2.ts	Method	TBLASTX:Soybean
Start	7117	End	7377
GI	none	Score	60
Exons	7117..7185, 7117..7377, 7210..7248, 7271..7372		

Seq. No.	13213	Seq. ID	OJ991201_07.0118.C3
Gene No.	28021	Strand	-
Start	6154	End	10735
Name	OJ991201_07.0118.C3.o3.tw	Method	TBLASTX:Wheat
Start	7165	End	7644
GI	none	Score	204
Exons	7165..7644, 7166..7549, 7507..7626		

Seq. No.	13213	Seq. ID	OJ991201_07.0118.C3
Gene No.	28021	Strand	-
Start	6154	End	10735
Name	OJ991201_07.0118.C3.o2.tw	Method	TBLASTX:Wheat
Start	7648	End	8158
GI	none	Score	126
Exons	7648..7875, 7738..7875, 7862..8158, 7885..8040, 7902..8126		

Seq. No.	13213	Seq. ID	OJ991201_07.0118.C3
Gene No.	28021	Strand	-
Start	6154	End	10735
Name	OJ991201_07.0118.C3.o2.tm	Method	TBLASTX:Maize
Start	7732	End	8086
GI	none	Score	63
Exons	7732..7872, 7817..7873, 7862..8086, 7865..8044, 7902..8084		

Seq. No.	13213	Seq. ID	OJ991201_07.0118.C3
Gene No.	28021	Strand	-
Start	6154	End	10735
Name	OJ991201_07.0118.C3.o3.ts	Method	TBLASTX:Soybean
Start	7907	End	8149
GI	none	Score	197
Exons	7907..8149		

Seq. No.	13213	Seq. ID	OJ991201_07.0118.C3
Gene No.	28021	Strand	-
Start	6154	End	10735
Name	OJ991201_07.0118.C3.o4.tm	Method	TBLASTX:Maize
Start	8123	End	8623
GI	none	Score	84
Exons	8123..8458, 8241..8372, 8444..8623		

Seq. No.	13213	Seq. ID	OJ991201_07.0118.C3
Gene No.	28021	Strand	-
Start	6154	End	10735

Name	OJ991201_07.0118.C3.o5.tw	Method	TBLASTX:Wheat
Start	8159	End	8461
GI	none	Score	234
Exons	8159..8461, 8160..8441		

Seq. No.	13213	Seq. ID	OJ991201_07.0118.C3
Gene No.	28021	Strand	-
Start	6154	End	10735
Name	OJ991201_07.0118.C3.o1.ts	Method	TBLASTX:Soybean
Start	8165	End	8569
GI	none	Score	110
Exons	8165..8428, 8174..8533, 8175..8438, 8456..8530, 8537..8569, 8537..8569		

Seq. No.	13213	Seq. ID	OJ991201_07.0118.C3
Gene No.	28021	Strand	-
Start	6154	End	10735
Name	OJ991201_07.0118.C3.o4.tw	Method	TBLASTX:Wheat
Start	8510	End	8996
GI	none	Score	305
Exons	8510..8992, 8553..8996		

Seq. No.	13213	Seq. ID	OJ991201_07.0118.C3
Gene No.	28021	Strand	-
Start	6154	End	10735
Name	OJ991201_07.0118.C3.o5.tm	Method	TBLASTX:Maize
Start	8691	End	8983
GI	none	Score	153
Exons	8691..8882, 8693..8983, 8722..8925, 8910..8981		

Seq. No.	13213	Seq. ID	OJ991201_07.0118.C3
Gene No.	28021	Strand	-
Start	6154	End	10735
Name	OJ991201_07.0118.C3.o8.tw	Method	TBLASTX:Wheat
Start	9167	End	9520
GI	none	Score	90
Exons	9167..9520, 9170..9343		

Seq. No.	13213	Seq. ID	OJ991201_07.0118.C3
Gene No.	28021	Strand	-
Start	6154	End	10735
Name	OJ991201_07.0118.C3.o6.tm	Method	TBLASTX:Maize
Start	9254	End	9574
GI	none	Score	208
Exons	9254..9574		

Seq. No.	13213	Seq. ID	OJ991201_07.0118.C3
Gene No.	28021	Strand	-
Start	6154	End	10735
Name	OJ991201_07.0118.C3.o8.tm	Method	TBLASTX:Maize
Start	9929	End	10225
GI	none	Score	72
Exons	9929..10225, 10019..10135, 10038..10208		

Seq. No.	13213	Seq. ID	OJ991201_07.0118.C3
Gene No.	28021	Strand	-
Start	6154	End	10735

Name	OJ991201_07.0118.C3.o7.tw	Method	TBLASTX:Wheat
Start	10106	End	10469
GI	none	Score	112
Exons	10106..10465, 10107..10469		

Seq. No.	13214	Seq. ID	OJ991201_07.0118.C4
Gene No.	28022	Strand	+
Start	7621	End	9982
Name	OJ991201_07.0118.C4.o2.np	Method	AAT/NAP
Start	7621	End	9982
GI	5922634	Score	65
Exons	7621..7724, 9945..9982		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	13214	Seq. ID	OJ991201_07.0118.C4
Gene No.	28023	Strand	+
Start	17263	End	21273
Name	OJ991201_07.0118.C4.o3.gs	Method	GENSCAN
Start	17263	End	21273
GI	none	Score	.41
Exons	17263..17315, 18126..18401, 18563..18709, 19366..19438, 20588..20719, 21241..21273		

Seq. No.	13214	Seq. ID	OJ991201_07.0118.C4
Gene No.	28024	Strand	+
Start	28261	End	30728
Name	OJ991201_07.0118.C4.o4.np	Method	AAT/NAP
Start	28261	End	30728
GI	4115384	Score	108
Exons	28261..28290, 30133..30282, 30520..30728		
GI Descrip.	(AC005967) unknown protein [Arabidopsis thaliana]		

Seq. No.	13214	Seq. ID	OJ991201_07.0118.C4
Gene No.	28025	Strand	+
Start	45306	End	45738
Name	OJ991201_07.0118.C4.o3.gp	Method	AAT/GAP
Start	45306	End	45738
GI	none	Score	811
Exons	45306..45738		

Seq. No.	13214	Seq. ID	OJ991201_07.0118.C4
Gene No.	28026	Strand	+
Start	46381	End	49081
Name	OJ991201_07.0118.C4.o7.np	Method	AAT/NAP
Start	46381	End	49081
GI	4926870	Score	51
Exons	46381..46448, 48881..49081		
GI Descrip.	(AC007509) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	13214	Seq. ID	OJ991201_07.0118.C4
Gene No.	28026	Strand	+
Start	46381	End	49081
Name	OJ991201_07.0118.C4.o4.gp	Method	AAT/GAP
Start	46468	End	48274

GI	none	Score	2061
Exons	46468..46762, 47485..48274		

Seq. No.	13214	Seq. ID	OJ991201_07.0118.C4
Gene No.	28027	Strand	-
Start	875	End	7802
Name	OJ991201_07.0118.C4.o1.gs	Method	GENSCAN
Start	875	End	7802
GI	none	Score	.56
Exons	875..983, 1067..1262, 1704..1796, 1853..2119, 4521..4838, 5149..5332, 5632..6065, 7754..7802		

Seq. No.	13214	Seq. ID	OJ991201_07.0118.C4
Gene No.	28027	Strand	-
Start	875	End	7802
Name	OJ991201_07.0118.C4.o1.np	Method	AAT/NAP
Start	2139	End	2543
GI	2462640	Score	613
Exons	2139..2543		
GI Descrip.	(Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	13214	Seq. ID	OJ991201_07.0118.C4
Gene No.	28028	Strand	-
Start	9961	End	15365
Name	OJ991201_07.0118.C4.o2.gs	Method	GENSCAN
Start	9961	End	15365
GI	none	Score	.44
Exons	9961..10493, 10864..10964, 12492..13220, 14374..14471, 14534..14619, 14696..15365		

Seq. No.	13214	Seq. ID	OJ991201_07.0118.C4
Gene No.	28029	Strand	-
Start	23832	End	24110
Name	OJ991201_07.0118.C4.o4.gs	Method	GENSCAN
Start	23832	End	24110
GI	none	Score	.85
Exons	23832..24110		

Seq. No.	13214	Seq. ID	OJ991201_07.0118.C4
Gene No.	28030	Strand	-
Start	24497	End	41809
Name	OJ991201_07.0118.C4.o5.gs	Method	GENSCAN
Start	24497	End	41618
GI	none	Score	.81
Exons	24497..24615, 26621..26743, 26983..27052, 27140..27284, 27364..27501, 27608..27701, 27862..28488, 28618..28734, 29525..29585, 29626..30020, 30209..30312, 30356..30424, 30574..30840, 31833..31920, 34509..34602, 34703..34858, 35018..35077, 35577..35795, 35879..36218, 37528..37768, 40113..40382, 41519..41618		

Seq. No.	13214	Seq. ID	OJ991201_07.0118.C4
Gene No.	28030	Strand	-
Start	24497	End	41809
Name	OJ991201_07.0118.C4.o1.gp	Method	AAT/GAP
Start	28066	End	28499
GI	none	Score	845

Exons	28066..28499		
Seq. No.	13214	Seq. ID	OJ991201_07.0118.C4
Gene No.	28030	Strand	-
Start	24497	End	41809
Name	OJ991201_07.0118.C4.o3.np	Method	AAT/NAP
Start	28546	End	29842
GI	5295937	Score	108
Exons	28546..28623, 29636..29842		
GI Descrip.	(AB026295) hypothetical protein [Oryza sativa]		
Seq. No.	13214	Seq. ID	OJ991201_07.0118.C4
Gene No.	28030	Strand	-
Start	24497	End	41809
Name	OJ991201_07.0118.C4.o5.np	Method	AAT/NAP
Start	33558	End	37919
GI	6498122	Score	1132
Exons	33558..33688, 34509..34602, 34703..34858, 35018..35077, 35577..35795, 35879..36218, 37528..37919		
GI Descrip.	(D88273) nicotianamine aminotransferase A [Hordeum vulgare]		
Seq. No.	13214	Seq. ID	OJ991201_07.0118.C4
Gene No.	28030	Strand	-
Start	24497	End	41809
Name	OJ991201_07.0118.C4.o2.gp	Method	AAT/GAP
Start	36145	End	37860
GI	uC-osroM202041b11b1	Score	772
Exons	36145..36218, 37528..37860		
GI Descrip.	'4512651/gb|AAD21706.1| 1.0e-15 (AC007048) putative tyrosine transaminase [Arabidopsis thaliana]'		
Seq. No.	13214	Seq. ID	OJ991201_07.0118.C4
Gene No.	28030	Strand	-
Start	24497	End	41809
Name	OJ991201_07.0118.C4.o6.np	Method	AAT/NAP
Start	36895	End	41809
GI	4539658	Score	75
Exons	36895..36924, 41412..41483, 41571..41809		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		
Seq. No.	13214	Seq. ID	OJ991201_07.0118.C4
Gene No.	28031	Strand	-
Start	43066	End	51434
Name	OJ991201_07.0118.C4.o3.tm	Method	TBLASTX:Maize
Start	667	End	987
GI	none	Score	66
Exons	667..981, 874..987		
Seq. No.	13214	Seq. ID	OJ991201_07.0118.C4
Gene No.	28031	Strand	-
Start	43066	End	51434
Name	OJ991201_07.0118.C4.o4.tm	Method	TBLASTX:Maize
Start	1228	End	1596
GI	none	Score	63
Exons	1228..1332, 1250..1327, 1396..1596, 1409..1525		

Seq. No.	13214	Seq. ID	OJ991201_07.0118.C4
Gene No.	28031	Strand	-
Start	43066	End	51434
Name	OJ991201_07.0118.C4.o2.tw	Method	TBLASTX:Wheat
Start	1273	End	1564
GI	none	Score	115
Exons	1273..1359, 1375..1554, 1396..1554, 1409..1564		

Seq. No.	13214	Seq. ID	OJ991201_07.0118.C4
Gene No.	28031	Strand	-
Start	43066	End	51434
Name	OJ991201_07.0118.C4.o2.tm	Method	TBLASTX:Maize
Start	1597	End	2507
GI	none	Score	95
Exons	1597..1746, 1848..2507, 2086..2259		

Seq. No.	13214	Seq. ID	OJ991201_07.0118.C4
Gene No.	28031	Strand	-
Start	43066	End	51434
Name	OJ991201_07.0118.C4.o1.tw	Method	TBLASTX:Wheat
Start	3295	End	11719
GI	none	Score	131
Exons	3295..3621, 3299..3610, 11639..11719		

Seq. No.	13214	Seq. ID	OJ991201_07.0118.C4
Gene No.	28031	Strand	-
Start	43066	End	51434
Name	OJ991201_07.0118.C4.o6.tm	Method	TBLASTX:Maize
Start	26846	End	27247
GI	none	Score	58
Exons	26846..26902, 26859..26903, 26972..27052, 26978..27052, 26982..27053, 27137..27247, 27138..27212		

Seq. No.	13214	Seq. ID	OJ991201_07.0118.C4
Gene No.	28031	Strand	-
Start	43066	End	51434
Name	OJ991201_07.0118.C4.o1.tm	Method	TBLASTX:Maize
Start	33579	End	51434
GI	none	Score	97
Exons	33579..33689, 33584..33694, 33585..33689, 33586..33690, 34504..34602, 34505..34603, 34510..34617, 34527..34616, 34689..34763, 34697..34870, 34701..34859, 34991..35068, 35572..35793, 35574..35798, 35574..35798, 35873..36139, 35877..36137, 36146..36205, 50681..50806, 50695..50805, 51017..51274, 51018..51272, 51372..51434		

Seq. No.	13214	Seq. ID	OJ991201_07.0118.C4
Gene No.	28031	Strand	-
Start	43066	End	51434
Name	OJ991201_07.0118.C4.o1.ts	Method	TBLASTX:Soybean
Start	33579	End	51274
GI	none	Score	101
Exons	33579..33689, 33580..33690, 34504..34602, 34505..34603, 34697..34870, 34701..34856, 35565..35801, 35566..35796, 35870..36214, 35873..36217, 35901..36221, 37539..37685, 50695..50805, 51018..51269, 51020..51274		

Seq. No.	13214	Seq. ID	OJ991201_07.0118.C4
Gene No.	28031	Strand	-
Start	43066	End	51434
Name	OJ991201_07.0118.C4.o2.tc	Method	TBLASTX:Cress
Start	34513	End	51301
GI	none	Score	195
Exons	34513..34602, 34688..34861, 51029..51301		

Seq. No.	13214	Seq. ID	OJ991201_07.0118.C4
Gene No.	28031	Strand	-
Start	43066	End	51434
Name	OJ991201_07.0118.C4.o1.tc	Method	TBLASTX:Cress
Start	35586	End	36034
GI	none	Score	189
Exons	35586..35798, 35590..35796, 35873..36034, 35904..36032		

Seq. No.	13214	Seq. ID	OJ991201_07.0118.C4
Gene No.	28031	Strand	-
Start	43066	End	51434
Name	OJ991201_07.0118.C4.o5.tm	Method	TBLASTX:Maize
Start	40144	End	49339
GI	none	Score	201
Exons	40144..40344, 48806..49072, 48808..49038, 49181..49339		

Seq. No.	13214	Seq. ID	OJ991201_07.0118.C4
Gene No.	28031	Strand	-
Start	43066	End	51434
Name	OJ991201_07.0118.C4.o6.gs	Method	GENSCAN
Start	43066	End	51431
GI	none	Score	.43
Exons	43066..43157, 43405..43460, 43532..43620, 44863..44959, 45532..45915, 46252..46442, 46709..46801, 47855..47969, 48839..48934, 49353..49502, 49631..49755, 50301..50379, 51022..51431		

Seq. No.	13214	Seq. ID	OJ991201_07.0118.C4
Gene No.	28031	Strand	-
Start	43066	End	51434
Name	OJ991201_07.0118.C4.o5.gp	Method	AAT/GAP
Start	50496	End	50812
GI	none	Score	619
Exons	50496..50812		

Seq. No.	13214	Seq. ID	OJ991201_07.0118.C4
Gene No.	28031	Strand	-
Start	43066	End	51434
Name	OJ991201_07.0118.C4.o8.np	Method	AAT/NAP
Start	50674	End	51431
GI	6498122	Score	353
Exons	50674..50804, 51022..51271, 51372..51431		
GI Descrip.	(D88273) nicotianamine aminotransferase A [Hordeum vulgare]		

Seq. No.	13215	Seq. ID	OJ991201_07.0118.C5
Gene No.	28032	Strand	+
Start	7619	End	14988
Name	OJ991201_07.0118.C5.o3.gs	Method	GENSCAN
Start	7619	End	14988

GI	none	Score	.56
Exons	7619..7710, 8781..8907, 9007..9060, 9801..9974, 10209..11803, 11917..12200, 12383..12576, 12911..13260, 13742..13929, 14423..14536, 14789..14988		

Seq. No.	13215	Seq. ID	OJ991201_07.0118.C5
Gene No.	28032	Strand	+
Start	7619	End	14988
Name	OJ991201_07.0118.C5.o1.np	Method	AAT/NAP
Start	9254	End	14174
GI	6539553	Score	5152
Exons	9254..12385, 14113..14174		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	13215	Seq. ID	OJ991201_07.0118.C5
Gene No.	28033	Strand	+
Start	15751	End	17812
Name	OJ991201_07.0118.C5.o4.np	Method	AAT/NAP
Start	15751	End	17812
GI	6721561	Score	134
Exons	15751..15855, 17421..17634, 17789..17812		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	13215	Seq. ID	OJ991201_07.0118.C5
Gene No.	28034	Strand	-
Start	21	End	615
Name	OJ991201_07.0118.C5.o1.gs	Method	GENSCAN
Start	21	End	615
GI	none	Score	.9
Exons	21..173, 268..615		

Seq. No.	13215	Seq. ID	OJ991201_07.0118.C5
Gene No.	28035	Strand	-
Start	3209	End	6407
Name	OJ991201_07.0118.C5.o2.gs	Method	GENSCAN
Start	3209	End	6407
GI	none	Score	.64
Exons	3209..3523, 5364..5441, 5668..5952, 6399..6407		

Seq. No.	13215	Seq. ID	OJ991201_07.0118.C5
Gene No.	28036	Strand	-
Start	10078	End	13275
Name	OJ991201_07.0118.C5.o2.np	Method	AAT/NAP
Start	10078	End	13275
GI	6682625	Score	151
Exons	10078..10106, 12738..13275		
GI Descrip.	(AC016163) putative disease resistance protein [Arabidopsis thaliana]		

Seq. No.	13215	Seq. ID	OJ991201_07.0118.C5

Gene No.	28037	Strand	-
Start	13698	End	14982
Name	OJ991201_07.0118.C5.o3.np	Method	AAT/NAP
Start	13698	End	14982
GI	6815109	Score	599
Exons	13698..14810, 14878..14982		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	13215	Seq. ID	OJ991201_07.0118.C5
Gene No.	28038	Strand	-
Start	15879	End	18585
Name	OJ991201_07.0118.C5.o1.tc	Method	TBLASTX:Cress
Start	1	End	423
GI	none	Score	171
Exons	1..174, 3..176, 3..173, 265..423, 290..421		

Seq. No.	13215	Seq. ID	OJ991201_07.0118.C5
Gene No.	28038	Strand	-
Start	15879	End	18585
Name	OJ991201_07.0118.C5.o1.ts	Method	TBLASTX:Soybean
Start	1	End	610
GI	none	Score	165
Exons	1..174, 3..173, 265..606, 293..610		

Seq. No.	13215	Seq. ID	OJ991201_07.0118.C5
Gene No.	28038	Strand	-
Start	15879	End	18585
Name	OJ991201_07.0118.C5.o1.tm	Method	TBLASTX:Maize
Start	1	End	595
GI	none	Score	164
Exons	1..171, 3..176, 3..173, 265..525, 266..526, 442..528, 535..594, 536..595		

Seq. No.	13215	Seq. ID	OJ991201_07.0118.C5
Gene No.	28038	Strand	-
Start	15879	End	18585
Name	OJ991201_07.0118.C5.o6.tm	Method	TBLASTX:Maize
Start	7899	End	8127
GI	none	Score	90
Exons	7899..7976, 7901..8008, 7907..7987, 7926..8003, 7980..8114, 8007..8123, 8008..8127, 8038..8115		

Seq. No.	13215	Seq. ID	OJ991201_07.0118.C5
Gene No.	28038	Strand	-
Start	15879	End	18585
Name	OJ991201_07.0118.C5.o3.tw	Method	TBLASTX:Wheat
Start	9185	End	9539
GI	none	Score	56
Exons	9185..9238, 9201..9239, 9244..9426, 9245..9430, 9426..9539, 9429..9533, 9430..9534		

Seq. No.	13215	Seq. ID	OJ991201_07.0118.C5
Gene No.	28038	Strand	-
Start	15879	End	18585
Name	OJ991201_07.0118.C5.o4.tm	Method	TBLASTX:Maize
Start	9426	End	9691
GI	none	Score	321

Exons	9426..9689, 9429..9689, 9434..9691, 9436..9690		
Seq. No.	13215	Seq. ID	OJ991201_07.0118.C5
Gene No.	28038	Strand	-
Start	15879	End	18585
Name	OJ991201_07.0118.C5.o2.tm	Method	TBLASTX:Maize
Start	10187	End	10509
GI	none	Score	262
Exons	10187..10447, 10194..10508, 10214..10507, 10342..10509		
Seq. No.	13215	Seq. ID	OJ991201_07.0118.C5
Gene No.	28038	Strand	-
Start	15879	End	18585
Name	OJ991201_07.0118.C5.o4.ts	Method	TBLASTX:Soybean
Start	10536	End	10922
GI	none	Score	86
Exons	10536..10691, 10674..10922		
Seq. No.	13215	Seq. ID	OJ991201_07.0118.C5
Gene No.	28038	Strand	-
Start	15879	End	18585
Name	OJ991201_07.0118.C5.o4.tw	Method	TBLASTX:Wheat
Start	10785	End	10979
GI	none	Score	275
Exons	10785..10979, 10788..10979		
Seq. No.	13215	Seq. ID	OJ991201_07.0118.C5
Gene No.	28038	Strand	-
Start	15879	End	18585
Name	OJ991201_07.0118.C5.o5.tm	Method	TBLASTX:Maize
Start	10836	End	11330
GI	none	Score	224
Exons	10836..11144, 10919..11110, 11163..11330		
Seq. No.	13215	Seq. ID	OJ991201_07.0118.C5
Gene No.	28038	Strand	-
Start	15879	End	18585
Name	OJ991201_07.0118.C5.o3.ts	Method	TBLASTX:Soybean
Start	10932	End	11330
GI	none	Score	193
Exons	10932..11156, 10940..11110, 11157..11330, 11165..11203		
Seq. No.	13215	Seq. ID	OJ991201_07.0118.C5
Gene No.	28038	Strand	-
Start	15879	End	18585
Name	OJ991201_07.0118.C5.o1.tw	Method	TBLASTX:Wheat
Start	10980	End	11735
GI	none	Score	604
Exons	10980..11447, 10988..11482, 11488..11718, 11496..11735, 11518..11715, 11579..11734		
Seq. No.	13215	Seq. ID	OJ991201_07.0118.C5
Gene No.	28038	Strand	-
Start	15879	End	18585
Name	OJ991201_07.0118.C5.o2.ts	Method	TBLASTX:Soybean
Start	11670	End	12139
GI	5509260	Score	214

Exons	11670..11951, 11957..12139		
GI Descrip.	-		
Seq. No.	13215	Seq. ID	OJ991201_07.0118.C5
Gene No.	28038	Strand	-
Start	15879	End	18585
Name	OJ991201_07.0118.C5.o2.tc	Method	TBLASTX:Cress
Start	11748	End	12019
GI	none	Score	231
Exons	11748..11957, 11750..11827, 11957..12019		
Seq. No.	13215	Seq. ID	OJ991201_07.0118.C5
Gene No.	28038	Strand	-
Start	15879	End	18585
Name	OJ991201_07.0118.C5.o3.tm	Method	TBLASTX:Maize
Start	11789	End	12274
GI	none	Score	146
Exons	11789..11920, 11790..11951, 11963..12274, 11963..12127		
Seq. No.	13215	Seq. ID	OJ991201_07.0118.C5
Gene No.	28038	Strand	-
Start	15879	End	18585
Name	OJ991201_07.0118.C5.o2.tw	Method	TBLASTX:Wheat
Start	11790	End	12355
GI	none	Score	138
Exons	11790..11951, 11957..12154, 11957..12130, 12149..12355, 12223..12345		
Seq. No.	13215	Seq. ID	OJ991201_07.0118.C5
Gene No.	28038	Strand	-
Start	15879	End	18585
Name	OJ991201_07.0118.C5.o3.tc	Method	TBLASTX:Cress
Start	12889	End	13300
GI	none	Score	69
Exons	12889..13062, 12889..13194, 12889..13158, 12889..13089, 12889..13200, 12892..13161, 12895..13194, 12967..13194, 12968..13135, 12970..13200, 13111..13200, 13111..13161, 13202..13300, 13202..13297, 13202..13297, 13202..13285, 13208..13297		
Seq. No.	13215	Seq. ID	OJ991201_07.0118.C5
Gene No.	28038	Strand	-
Start	15879	End	18585
Name	OJ991201_07.0118.C5.o5.ts	Method	TBLASTX:Soybean
Start	12889	End	13194
GI	none	Score	189
Exons	12889..13194, 12892..13167, 12910..13194		
Seq. No.	13215	Seq. ID	OJ991201_07.0118.C5
Gene No.	28038	Strand	-
Start	15879	End	18585
Name	OJ991201_07.0118.C5.o7.tm	Method	TBLASTX:Maize
Start	12892	End	13303
GI	none	Score	68
Exons	12892..13176, 12895..13083, 13202..13303		
Seq. No.	13215	Seq. ID	OJ991201_07.0118.C5

Gene No.	28038	Strand	-
Start	15879	End	18585
Name	OJ991201_07.0118.C5.o4.gs	Method	GENSCAN
Start	15879	End	18585
GI	none	Score	.65
Exons	15879..15984, 16732..16870, 17122..17156, 17357..17699, 17914..17961, 18507..18585		

Seq. No.	13215	Seq. ID	OJ991201_07.0118.C5
Gene No.	28038	Strand	-
Start	15879	End	18585
Name	OJ991201_07.0118.C5.o2.gp	Method	AAT/GAP
Start	17426	End	17688
GI	none	Score	485
Exons	17426..17688		

Seq. No.	13216	Seq. ID	OJ991201_07.0118.C7
Gene No.	28039	Strand	+
Start	1265	End	7031
Name	OJ991201_07.0118.C7.o1.gs	Method	GENSCAN
Start	1265	End	6913
GI	none	Score	.67
Exons	1265..1417, 1721..2087, 3136..3287, 4850..5056, 5447..5773, 5929..6149, 6232..6590, 6668..6855, 6902..6913		

Seq. No.	13216	Seq. ID	OJ991201_07.0118.C7
Gene No.	28039	Strand	+
Start	1265	End	7031
Name	OJ991201_07.0118.C7.o1.np	Method	AAT/NAP
Start	4889	End	7031
GI	6691716	Score	1864
Exons	4889..5762, 5960..6149, 6232..6370, 6446..6590, 6668..6855, 6930..7031		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	13216	Seq. ID	OJ991201_07.0118.C7
Gene No.	28040	Strand	-
Start	7752	End	7818
Name	OJ991201_07.0118.C7.o1.tw	Method	TBLASTX:Wheat
Start	5008	End	5299
GI	none	Score	213
Exons	5008..5091, 5009..5299, 5070..5111, 5194..5235		

Seq. No.	13216	Seq. ID	OJ991201_07.0118.C7
Gene No.	28040	Strand	-
Start	7752	End	7818
Name	OJ991201_07.0118.C7.o2.gs	Method	GENSCAN
Start	7752	End	7818
GI	none	Score	.56
Exons	7752..7818		

Seq. No.	13217	Seq. ID	OJ991201_07.0118.C8
Gene No.	28041	Strand	+
Start	8165	End	11580
Name	OJ991201_07.0118.C8.o3.np	Method	AAT/NAP

Start	8165	End	11577
GI	6691716	Score	645
Exons	8165..8192, 10948..11076, 11129..11577		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	13217	Seq. ID	OJ991201_07.0118.C8
Gene No.	28041	Strand	+
Start	8165	End	11580
Name	OJ991201_07.0118.C8.o3.gs	Method	GENSCAN
Start	8577	End	9248
GI	none	Score	.81
Exons	8577..8654, 8736..9248		

Seq. No.	13217	Seq. ID	OJ991201_07.0118.C8
Gene No.	28041	Strand	+
Start	8165	End	11580
Name	OJ991201_07.0118.C8.o4.gs	Method	GENSCAN
Start	9407	End	11580
GI	none	Score	.86
Exons	9407..9658, 9688..9778, 10972..11076, 11129..11580		

Seq. No.	13217	Seq. ID	OJ991201_07.0118.C8
Gene No.	28042	Strand	-
Start	1	End	5214
Name	OJ991201_07.0118.C8.o1.np	Method	AAT/NAP
Start	1	End	3593
GI	4680179	Score	585
Exons	1..106, 2327..2571, 2734..3593		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	13217	Seq. ID	OJ991201_07.0118.C8
Gene No.	28042	Strand	-
Start	1	End	5214
Name	OJ991201_07.0118.C8.o1.gs	Method	GENSCAN
Start	2223	End	5036
GI	none	Score	.65
Exons	2223..3572, 3891..3964, 4961..5036		

Seq. No.	13217	Seq. ID	OJ991201_07.0118.C8
Gene No.	28042	Strand	-
Start	1	End	5214
Name	OJ991201_07.0118.C8.o1.gp	Method	AAT/GAP
Start	4833	End	5214
GI	uC-osflcyp033a04b1	Score	651
Exons	4833..5214		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	13217	Seq. ID	OJ991201_07.0118.C8
Gene No.	28043	Strand	-
Start	7523	End	7904
Name	OJ991201_07.0118.C8.o2.gp	Method	AAT/GAP
Start	7523	End	7904
GI	uC-osflcyp033a04b1	Score	635
Exons	7523..7904		

GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'

Seq. No.	13217	Seq. ID	OJ991201_07.0118.C8
Gene No.	28044	Strand	-
Start	8367	End	10100
Name	OJ991201_07.0118.C8.o2.np	Method	AAT/NAP
Start	8367	End	10100
GI	6907087	Score	784
Exons	8367..8468, 9007..9669, 9715..10100		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	13217	Seq. ID	OJ991201_07.0118.C8
Gene No.	28045	Strand	-
Start	11914	End	13675
Name	OJ991201_07.0118.C8.o3.tm	Method	TBLASTX:Maize
Start	2811	End	3110
GI	none	Score	75
Exons	2811..3110, 3007..3096		

Seq. No.	13217	Seq. ID	OJ991201_07.0118.C8
Gene No.	28045	Strand	-
Start	11914	End	13675
Name	OJ991201_07.0118.C8.o4.tw	Method	TBLASTX:Wheat
Start	2991	End	3350
GI	none	Score	160
Exons	2991..3350, 2995..3348		

Seq. No.	13217	Seq. ID	OJ991201_07.0118.C8
Gene No.	28045	Strand	-
Start	11914	End	13675
Name	OJ991201_07.0118.C8.o5.gs	Method	GENSCAN
Start	11914	End	13550
GI	none	Score	.52
Exons	11914..12726, 12840..13550		

Seq. No.	13217	Seq. ID	OJ991201_07.0118.C8
Gene No.	28045	Strand	-
Start	11914	End	13675
Name	OJ991201_07.0118.C8.o4.np	Method	AAT/NAP
Start	11917	End	13675
GI	5902445	Score	2792
Exons	11917..13675		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	13217	Seq. ID	OJ991201_07.0118.C8
Gene No.	28045	Strand	-
Start	11914	End	13675
Name	OJ991201_07.0118.C8.o1.tw	Method	TBLASTX:Wheat
Start	11926	End	12540
GI	none	Score	93
Exons	11926..12063, 12082..12540, 12278..12385, 12434..12520		

Seq. No.	13217	Seq. ID	OJ991201_07.0118.C8
Gene No.	28045	Strand	-

Start	11914	End	13675
Name	OJ991201_07.0118.C8.o2.tm	Method	TBLASTX:Maize
Start	11965	End	12219
GI	none	Score	100
Exons	11965..12063, 11966..12067, 12046..12219, 12047..12106		

Seq. No.	13217	Seq. ID	OJ991201_07.0118.C8
Gene No.	28045	Strand	-
Start	11914	End	13675
Name	OJ991201_07.0118.C8.o5.tm	Method	TBLASTX:Maize
Start	12310	End	12583
GI	none	Score	52
Exons	12310..12408, 12409..12489, 12420..12494, 12484..12582, 12485..12583		

Seq. No.	13217	Seq. ID	OJ991201_07.0118.C8
Gene No.	28045	Strand	-
Start	11914	End	13675
Name	OJ991201_07.0118.C8.o2.tw	Method	TBLASTX:Wheat
Start	12653	End	13040
GI	none	Score	54
Exons	12653..12700, 12655..12846, 12655..12912, 12731..12907, 12891..13040, 12892..12996		

Seq. No.	13217	Seq. ID	OJ991201_07.0118.C8
Gene No.	28045	Strand	-
Start	11914	End	13675
Name	OJ991201_07.0118.C8.o1.tm	Method	TBLASTX:Maize
Start	12718	End	13046
GI	none	Score	150
Exons	12718..12894, 12719..12889, 12891..13046, 12892..13023		

Seq. No.	13217	Seq. ID	OJ991201_07.0118.C8
Gene No.	28045	Strand	-
Start	11914	End	13675
Name	OJ991201_07.0118.C8.o3.tw	Method	TBLASTX:Wheat
Start	13209	End	13511
GI	none	Score	112
Exons	13209..13511, 13360..13509		

Seq. No.	13217	Seq. ID	OJ991201_07.0118.C8
Gene No.	28045	Strand	-
Start	11914	End	13675
Name	OJ991201_07.0118.C8.o4.tm	Method	TBLASTX:Maize
Start	13275	End	13529
GI	none	Score	80
Exons	13275..13529, 13276..13521		

Seq. No.	13218	Seq. ID	OJ991201_07.0118.C9
Gene No.	28046	Strand	-
Start	37	End	445
Name	OJ991201_07.0118.C9.o1.gs	Method	GENSCAN
Start	37	End	382
GI	none	Score	.75
Exons	37..382		

Seq. No.	13218	Seq. ID	OJ991201_07.0118.C9

Gene No.	28046	Strand	-
Start	37	End	445
Name	OJ991201_07.0118.C9.o1.np	Method	AAT/NAP
Start	68	End	397
GI	5852182	Score	418
Exons	68..397		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	13218	Seq. ID	OJ991201_07.0118.C9
Gene No.	28046	Strand	-
Start	37	End	445
Name	OJ991201_07.0118.C9.o1.gp	Method	AAT/GAP
Start	256	End	445
GI	2310235	Score	240
Exons	256..445		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	13219	Seq. ID	OJ991201_07.0118.C10
Gene No.	28047	Strand	+
Start	120	End	415
Name	OJ991201_07.0118.C10.o1.gs	Method	GENSCAN
Start	120	End	415
GI	none	Score	.54
Exons	120..415		

Seq. No.	13219	Seq. ID	OJ991201_07.0118.C10
Gene No.	28047	Strand	+
Start	120	End	415
Name	OJ991201_07.0118.C10.o1.np	Method	AAT/NAP
Start	128	End	409
GI	6469087	Score	95
Exons	128..409		
GI Descrip.	(AB005788) nicotianamine aminotransferase B [Hordeum vulgare]		

Seq. No.	13220	Seq. ID	OJ991201_07.0118.C11
Gene No.	28048	Strand	+
Start	30	End	224
Name	OJ991201_07.0118.C11.o1.np	Method	AAT/NAP
Start	30	End	224
GI	139679	Score	371
Exons	30..224		
GI Descrip.	EXCISIONASE gi|75989|pir||RSBPX8 excisionase - phage phi-80 gi|15772|emb|CAA27684| (X04051) xis-polypeptide (aa 1-65) [Bacteriophage phi-80]		

Seq. No.	13220	Seq. ID	OJ991201_07.0118.C11
Gene No.	28049	Strand	-
Start	224	End	616
Name	OJ991201_07.0118.C11.o1.gs	Method	GENSCAN
Start	224	End	572
GI	none	Score	.51
Exons	224..378, 442..572		

Seq. No.	13220	Seq. ID	OJ991201_07.0118.C11
Gene No.	28049	Strand	-
Start	224	End	616

Name	OJ991201_07.0118.C11.o2.np	Method	AAT/NAP
Start	227	End	616
GI	579196	Score	704
Exons	227..616		
GI Descrip.	(X04051) pot. int-polypeptide (aa 1-416) (longest form, no atg) [Bacteriophage phi-80]		

Seq. No.	13221	Seq. ID	OJ991201_07.0118.C12
Gene No.	28050	Strand	+
Start	1	End	241
Name	OJ991201_07.0118.C12.o1.np	Method	AAT/NAP
Start	1	End	241
GI	6721517	Score	358
Exons	1..241		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	13222	Seq. ID	OJ991011_03.0106.C1
Gene No.	28051	Strand	+
Start	363	End	477
Name	OJ991011_03.0106.C1.o1.gs	Method	GENSCAN
Start	363	End	477
GI	none	Score	.93
Exons	363..477		

Seq. No.	13222	Seq. ID	OJ991011_03.0106.C1
Gene No.	28052	Strand	+
Start	1883	End	2236
Name	OJ991011_03.0106.C1.o1.gp	Method	AAT/GAP
Start	1883	End	2236
GI	426759	Score	658
Exons	1883..2236		

Seq. No.	13222	Seq. ID	OJ991011_03.0106.C1
Gene No.	28053	Strand	+
Start	3686	End	3973
Name	OJ991011_03.0106.C1.o2.gp	Method	AAT/GAP
Start	3686	End	3973
GI	3761047	Score	463
Exons	3686..3973		

Seq. No.	13222	Seq. ID	OJ991011_03.0106.C1
Gene No.	28054	Strand	-
Start	1494	End	3106
Name	OJ991011_03.0106.C1.o1.tm	Method	TBLASTX:Maize
Start	515	End	1278
GI	none	Score	68
Exons	515..592, 515..580, 517..600, 650..757, 650..760, 650..739, 650..751, 650..739, 652..747, 663..776, 665..742, 665..742, 666..773, 666..749, 667..756, 670..747, 785..946, 792..911, 794..904, 795..911, 797..946, 798..947, 799..936, 804..902, 805..948, 818..904, 873..950, 878..955, 885..962, 956..1105, 966..1082, 974..1084, 975..1097, 975..1022, 984..1085, 1003..1089, 1004..1126, 1004..1084, 1006..1107, 1008..1244, 1129..1278, 1131..1265		

Seq. No.	13222	Seq. ID	OJ991011_03.0106.C1
Gene No.	28054	Strand	-

Start	1494	End	3106
Name	OJ991011_03.0106.C1.o2.gs	Method	GENSCAN
Start	1494	End	3106
GI	none	Score	.57
Exons	1494..2011, 2596..2806, 3065..3106		

Seq. No.	13223	Seq. ID	OJ991011_03.0106.C2
Gene No.	28055	Strand	+
Start	1931	End	5987
Name	OJ991011_03.0106.C2.o1.gs	Method	GENSCAN
Start	1931	End	5987
GI	none	Score	.45
Exons	1931..2729, 2778..2957, 3168..3344, 3816..4576, 4739..4911, 5086..5987		

Seq. No.	13223	Seq. ID	OJ991011_03.0106.C2
Gene No.	28055	Strand	+
Start	1931	End	5987
Name	OJ991011_03.0106.C2.o1.np	Method	AAT/NAP
Start	3976	End	5984
GI	4206306	Score	1591
Exons	3976..5984		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	13223	Seq. ID	OJ991011_03.0106.C2
Gene No.	28056	Strand	+
Start	11831	End	20712
Name	OJ991011_03.0106.C2.o3.gs	Method	GENSCAN
Start	11831	End	14973
GI	none	Score	.47
Exons	11831..11965, 13026..13407, 14828..14973		

Seq. No.	13223	Seq. ID	OJ991011_03.0106.C2
Gene No.	28056	Strand	+
Start	11831	End	20712
Name	OJ991011_03.0106.C2.o1.gp	Method	AAT/GAP
Start	11938	End	20712
GI	LIB3477-003-P1-K1-E9	Score	119
Exons	11938..11959, 16481..16513, 20654..20712		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	13223	Seq. ID	OJ991011_03.0106.C2
Gene No.	28056	Strand	+
Start	11831	End	20712
Name	OJ991011_03.0106.C2.o4.gs	Method	GENSCAN
Start	17764	End	19456
GI	none	Score	.89
Exons	17764..17953, 18435..19456		

Seq. No.	13223	Seq. ID	OJ991011_03.0106.C2
Gene No.	28056	Strand	+
Start	11831	End	20712
Name	OJ991011_03.0106.C2.o2.np	Method	AAT/NAP
Start	17767	End	19444
GI	1345809	Score	1651

Exons	17767..17953, 18435..19444		
GI Descrip.	CHALCONE SYNTHASE (NAREGENIN-CHALCONE SYNTHASE) gi|2117713|pir||S58190 naringenin-chalcone synthase (EC 2.3.1.74) - rice gi|927491|emb|CAA61955| (X89859) naringenin-chalcone synthase [Oryza sativa]		

Seq. No.	13223	Seq. ID	OJ991011_03.0106.C2
Gene No.	28057	Strand	+
Start	23204	End	24974
Name	OJ991011_03.0106.C2.o4.np	Method	AAT/NAP
Start	23204	End	24974
GI	6063554	Score	382
Exons	23204..23479, 23597..23819, 24137..24164, 24800..24974		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	13223	Seq. ID	OJ991011_03.0106.C2
Gene No.	28057	Strand	+
Start	23204	End	24974
Name	OJ991011_03.0106.C2.o2.gp	Method	AAT/GAP
Start	23631	End	24365
GI	101153_1.R1084	Score	707
Exons	23631..23819, 24137..24365		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	13223	Seq. ID	OJ991011_03.0106.C2
Gene No.	28057	Strand	+
Start	23204	End	24974
Name	OJ991011_03.0106.C2.o3.gp	Method	AAT/GAP
Start	24383	End	24814
GI	2428185	Score	743
Exons	24383..24814		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	13223	Seq. ID	OJ991011_03.0106.C2
Gene No.	28058	Strand	+
Start	25345	End	25618
Name	OJ991011_03.0106.C2.o4.gp	Method	AAT/GAP
Start	25345	End	25618
GI	61605_1.R1084	Score	467
Exons	25345..25618		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	13223	Seq. ID	OJ991011_03.0106.C2
Gene No.	28059	Strand	+
Start	25996	End	30073
Name	OJ991011_03.0106.C2.o5.gp	Method	AAT/GAP
Start	25996	End	30073
GI	342_1.R1084	Score	5373
Exons	25996..26597, 26672..26699, 26938..27411, 27576..30073		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	13223	Seq. ID	OJ991011_03.0106.C2
Gene No.	28059	Strand	+
Start	25996	End	30073
Name	OJ991011_03.0106.C2.o6.gp	Method	AAT/GAP
Start	26945	End	27389
GI	LIB3431-028-P1-N1-A10	Score	746
Exons	26945..27015, 27043..27389		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	13223	Seq. ID	OJ991011_03.0106.C2
Gene No.	28060	Strand	+
Start	32293	End	33636
Name	OJ991011_03.0106.C2.o8.gs	Method	GENSCAN
Start	32293	End	33636
GI	none	Score	.4
Exons	32293..32315, 32412..32513, 32666..32737, 33057..33636		

Seq. No.	13223	Seq. ID	OJ991011_03.0106.C2
Gene No.	28061	Strand	-
Start	6774	End	10144
Name	OJ991011_03.0106.C2.o2.gs	Method	GENSCAN
Start	6774	End	10144
GI	none	Score	.74
Exons	6774..7037, 7315..7836, 7850..8137, 8233..9218, 9307..9382, 9455..9646, 9674..10144		

Seq. No.	13223	Seq. ID	OJ991011_03.0106.C2
Gene No.	28062	Strand	-
Start	20841	End	22615
Name	OJ991011_03.0106.C2.o5.gs	Method	GENSCAN
Start	20841	End	22615
GI	none	Score	.76
Exons	20841..21023, 21107..21205, 21303..21342, 21459..21569, 21663..21836, 21941..22214, 22291..22615		

Seq. No.	13223	Seq. ID	OJ991011_03.0106.C2
Gene No.	28063	Strand	-
Start	23525	End	24785
Name	OJ991011_03.0106.C2.o6.gs	Method	GENSCAN
Start	23525	End	24785
GI	none	Score	.95
Exons	23525..23920, 24705..24785		

Seq. No.	13223	Seq. ID	OJ991011_03.0106.C2
Gene No.	28064	Strand	-
Start	25597	End	31806
Name	OJ991011_03.0106.C2.o4.tw	Method	TBLASTX:Wheat
Start	4169	End	4601
GI	none	Score	313
Exons	4169..4405, 4170..4601, 4427..4600		

Seq. No.	13223	Seq. ID	OJ991011_03.0106.C2
Gene No.	28064	Strand	-
Start	25597	End	31806
Name	OJ991011_03.0106.C2.o2.tm	Method	TBLASTX:Maize
Start	4803	End	5261

GI	none	Score	361
Exons	4803..5261, 4928..5122, 5168..5260		

Seq. No.	13223	Seq. ID	OJ991011_03.0106.C2
Gene No.	28064	Strand	-
Start	25597	End	31806
Name	OJ991011_03.0106.C2.o5.tw	Method	TBLASTX:Wheat
Start	4911	End	5300
GI	none	Score	261
Exons	4911..5300		

Seq. No.	13223	Seq. ID	OJ991011_03.0106.C2
Gene No.	28064	Strand	-
Start	25597	End	31806
Name	OJ991011_03.0106.C2.o6.tm	Method	TBLASTX:Maize
Start	5261	End	5411
GI	none	Score	200
Exons	5261..5410, 5262..5411, 5262..5411		

Seq. No.	13223	Seq. ID	OJ991011_03.0106.C2
Gene No.	28064	Strand	-
Start	25597	End	31806
Name	OJ991011_03.0106.C2.o7.tw	Method	TBLASTX:Wheat
Start	5394	End	5975
GI	none	Score	90
Exons	5394..5501, 5529..5669, 5850..5975		

Seq. No.	13223	Seq. ID	OJ991011_03.0106.C2
Gene No.	28064	Strand	-
Start	25597	End	31806
Name	OJ991011_03.0106.C2.o5.tm	Method	TBLASTX:Maize
Start	5427	End	5663
GI	none	Score	205
Exons	5427..5663		

Seq. No.	13223	Seq. ID	OJ991011_03.0106.C2
Gene No.	28064	Strand	-
Start	25597	End	31806
Name	OJ991011_03.0106.C2.o1.tm	Method	TBLASTX:Maize
Start	17764	End	19438
GI	none	Score	260
Exons	17764..17955, 17775..17954, 18436..18930, 18437..18955, 18698..18955, 18913..19437, 18914..19438		

Seq. No.	13223	Seq. ID	OJ991011_03.0106.C2
Gene No.	28064	Strand	-
Start	25597	End	31806
Name	OJ991011_03.0106.C2.o1.ts	Method	TBLASTX:Soybean
Start	17775	End	19426
GI	none	Score	234
Exons	17775..17954, 17779..17958, 18436..18933, 18437..18955, 18716..18949, 18914..19426, 18967..19209, 19240..19422		

Seq. No.	13223	Seq. ID	OJ991011_03.0106.C2
Gene No.	28064	Strand	-
Start	25597	End	31806
Name	OJ991011_03.0106.C2.o1.tc	Method	TBLASTX:Cress

Start	17785	End	19426
GI	none	Score	218
Exons	17785..17955, 17787..17954, 18436..19422, 18437..19426		

Seq. No.	13223	Seq. ID	OJ991011_03.0106.C2
Gene No.	28064	Strand	-
Start	25597	End	31806
Name	OJ991011_03.0106.C2.o7.gs	Method	GENSCAN
Start	25597	End	30468
GI	none	Score	.49
Exons	25597..25700, 27085..27414, 27896..28385, 28553..28731, 29086..29241, 30108..30468		

Seq. No.	13223	Seq. ID	OJ991011_03.0106.C2
Gene No.	28064	Strand	-
Start	25597	End	31806
Name	OJ991011_03.0106.C2.o7.gp	Method	AAT/GAP
Start	26375	End	30464
GI	342_1.R1084	Score	5465
Exons	26375..26830, 26927..27411, 27576..30464		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	13223	Seq. ID	OJ991011_03.0106.C2
Gene No.	28064	Strand	-
Start	25597	End	31806
Name	OJ991011_03.0106.C2.o5.np	Method	AAT/NAP
Start	27029	End	31806
GI	4680203	Score	2758
Exons	27029..27549, 27708..28160, 28412..28642, 28796..30468, 31775..31806		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	13223	Seq. ID	OJ991011_03.0106.C2
Gene No.	28064	Strand	-
Start	25597	End	31806
Name	OJ991011_03.0106.C2.o1.tw	Method	TBLASTX:Wheat
Start	27083	End	28529
GI	none	Score	121
Exons	27083..27175, 27164..27244, 27257..27397, 27258..27398, 27377..27412, 27798..28346, 27798..28418, 27823..28416, 28409..28528, 28410..28529		

Seq. No.	13223	Seq. ID	OJ991011_03.0106.C2
Gene No.	28064	Strand	-
Start	25597	End	31806
Name	OJ991011_03.0106.C2.o2.tc	Method	TBLASTX:Cress
Start	27819	End	28266
GI	none	Score	89
Exons	27819..27968, 27819..28262, 27823..28266, 27829..28266		

Seq. No.	13223	Seq. ID	OJ991011_03.0106.C2
Gene No.	28064	Strand	-
Start	25597	End	31806
Name	OJ991011_03.0106.C2.o4.tm	Method	TBLASTX:Maize
Start	28162	End	28615
GI	none	Score	80

Exons	28162..28377, 28164..28406, 28406..28477, 28421..28615		
Seq. No.	13223	Seq. ID	OJ991011_03.0106.C2
Gene No.	28064	Strand	-
Start	25597	End	31806
Name	OJ991011_03.0106.C2.o3.tw	Method	TBLASTX:Wheat
Start	28530	End	28939
GI	none	Score	68
Exons	28530..28616, 28532..28615, 28649..28867, 28689..28871, 28877..28939, 28896..28937		
Seq. No.	13223	Seq. ID	OJ991011_03.0106.C2
Gene No.	28064	Strand	-
Start	25597	End	31806
Name	OJ991011_03.0106.C2.o3.ts	Method	TBLASTX:Soybean
Start	28973	End	29215
GI	none	Score	89
Exons	28973..29215, 29031..29210		
Seq. No.	13223	Seq. ID	OJ991011_03.0106.C2
Gene No.	28064	Strand	-
Start	25597	End	31806
Name	OJ991011_03.0106.C2.o3.tm	Method	TBLASTX:Maize
Start	29045	End	29498
GI	none	Score	66
Exons	29045..29227, 29248..29373, 29249..29374, 29367..29489, 29373..29498		
Seq. No.	13223	Seq. ID	OJ991011_03.0106.C2
Gene No.	28064	Strand	-
Start	25597	End	31806
Name	OJ991011_03.0106.C2.o2.tw	Method	TBLASTX:Wheat
Start	29079	End	29546
GI	none	Score	113
Exons	29079..29228, 29084..29227, 29233..29307, 29234..29284, 29273..29374, 29287..29373, 29370..29501, 29388..29492, 29392..29502, 29490..29546, 29494..29538		
Seq. No.	13223	Seq. ID	OJ991011_03.0106.C2
Gene No.	28064	Strand	-
Start	25597	End	31806
Name	OJ991011_03.0106.C2.o3.tc	Method	TBLASTX:Cress
Start	29367	End	29682
GI	none	Score	63
Exons	29367..29675, 29395..29481, 29530..29583, 29608..29682		
Seq. No.	13223	Seq. ID	OJ991011_03.0106.C2
Gene No.	28064	Strand	-
Start	25597	End	31806
Name	OJ991011_03.0106.C2.o2.ts	Method	TBLASTX:Soybean
Start	29415	End	29844
GI	none	Score	83
Exons	29415..29711, 29433..29657, 29761..29844, 29769..29843		
Seq. No.	13223	Seq. ID	OJ991011_03.0106.C2
Gene No.	28064	Strand	-
Start	25597	End	31806

Name	OJ991011_03.0106.C2.o6.tw	Method	TBLASTX:Wheat
Start	29756	End	30081
GI	none	Score	73
Exons	29756..29962, 29760..29978, 29775..29978, 29776..30081		

Seq. No.	13224	Seq. ID	OJ991011_03.0106.C3
Gene No.	28065	Strand	+
Start	285	End	1774
Name	OJ991011_03.0106.C3.o1.gs	Method	GENSCAN
Start	285	End	1774
GI	none	Score	.71
Exons	285..330, 1665..1774		

Seq. No.	13224	Seq. ID	OJ991011_03.0106.C3
Gene No.	28066	Strand	+
Start	3015	End	3488
Name	OJ991011_03.0106.C3.o1.np	Method	AAT/NAP
Start	3015	End	3485
GI	2118430	Score	826
Exons	3015..3485		
GI Descrip.	allergen RA16 precursor - rice gi|1398916|dbj|BAA07712| (D42141) allergenic protein [Oryza sativa]		

Seq. No.	13224	Seq. ID	OJ991011_03.0106.C3
Gene No.	28066	Strand	+
Start	3015	End	3488
Name	OJ991011_03.0106.C3.o2.gs	Method	GENSCAN
Start	3015	End	3488
GI	none	Score	.86
Exons	3015..3488		

Seq. No.	13224	Seq. ID	OJ991011_03.0106.C3
Gene No.	28067	Strand	+
Start	3930	End	4809
Name	OJ991011_03.0106.C3.o3.gs	Method	GENSCAN
Start	3930	End	4809
GI	none	Score	.63
Exons	3930..4117, 4632..4809		

Seq. No.	13224	Seq. ID	OJ991011_03.0106.C3
Gene No.	28068	Strand	-
Start	2898	End	3694
Name	OJ991011_03.0106.C3.o1.gp	Method	AAT/GAP
Start	2898	End	3694
GI	306_4.R1084	Score	1404
Exons	2898..3616, 3668..3694		
GI Descrip.	'2335106 6.0e-51 (AC002339) salt inducible protein-like [Arabidopsis thaliana]'		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28069	Strand	+
Start	369	End	6395
Name	OJ991011_03.0106.C4.o1.gs	Method	GENSCAN
Start	369	End	2854
GI	none	Score	.86
Exons	369..1674, 1740..2854		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28069	Strand	+
Start	369	End	6395
Name	OJ991011_03.0106.C4.o2.np	Method	AAT/NAP
Start	689	End	6395
GI	4378066	Score	3260
Exons	689..876, 1199..6395		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28070	Strand	+
Start	12611	End	12965
Name	OJ991011_03.0106.C4.o1.gp	Method	AAT/GAP
Start	12611	End	12965
GI	none	Score	543
Exons	12611..12965		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28071	Strand	+
Start	15101	End	15696
Name	OJ991011_03.0106.C4.o3.gp	Method	AAT/GAP
Start	15049	End	15696
GI	306_2.R1084	Score	1235
Exons	15049..15696		
GI Descrip.	'2118427/pir||S59922 1.0e-82 allergen RA14B precursor - rice >gi_1398913_dbj_BAA07710_ (D42139) allergenic protein [Oryza sativa]'		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28071	Strand	+
Start	15101	End	15696
Name	OJ991011_03.0106.C4.o5.gs	Method	GENSCAN
Start	15101	End	15601
GI	none	Score	.95
Exons	15101..15601		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28072	Strand	+
Start	19195	End	19778
Name	OJ991011_03.0106.C4.o4.gp	Method	AAT/GAP
Start	19147	End	19778
GI	306_5.R1084	Score	1182
Exons	19147..19778		
GI Descrip.	'548660/sp|Q01883|RA17_ORYSA 1.0e-73 SEED ALLERGENIC PROTEIN RA17 PRECURSOR >gi_100691_pir__S21157 seed allergen RA17 - rice >gi_2130064_pir__JC4887 allergenic protein - rice >gi_218195_dbj_BAA01997_ (D11431) allergenic protein [Oryza sativa] >gi_311893_emb_CAA46983_ (X66257) major allergenic protein (RAP) [Oryza sativa]'		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28072	Strand	+
Start	19195	End	19778
Name	OJ991011_03.0106.C4.o7.gs	Method	GENSCAN
Start	19195	End	19686

GI	none	Score	.86
Exons	19195..19686		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28073	Strand	+
Start	22167	End	28535
Name	OJ991011_03.0106.C4.o3.np	Method	AAT/NAP
Start	22063	End	25480
GI	4680203	Score	1575
Exons	22063..23621, 23691..23795, 23955..24188, 24465..25380, 25434..25480		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28073	Strand	+
Start	22167	End	28535
Name	OJ991011_03.0106.C4.o8.gs	Method	GENSCAN
Start	22167	End	28535
GI	none	Score	.59
Exons	22167..23112, 23230..25380, 25759..26276, 26284..27404, 27488..27739, 27820..27930, 28018..28096, 28180..28272, 28350..28535		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28074	Strand	+
Start	29749	End	30343
Name	OJ991011_03.0106.C4.o5.gp	Method	AAT/GAP
Start	29720	End	30343
GI	28627_1.R1084	Score	1144
Exons	29720..30343		
GI Descrip.	'5777592/emb|CAA44001.1| 6.0e-27 (X62091) low molecular weight globulin [Oryza sativa]'		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28074	Strand	+
Start	29749	End	30343
Name	OJ991011_03.0106.C4.o4.np	Method	AAT/NAP
Start	29749	End	30228
GI	548671	Score	592
Exons	29749..30228		
GI Descrip.	SEED ALLERGENIC PROTEIN RAG2 PRECURSOR gi|419801|pir||S31082 seed allergen RAG2 - rice gi|218201|dbj|BAA02000| (D11434) allergenic protein [Oryza sativa]		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28074	Strand	+
Start	29749	End	30343
Name	OJ991011_03.0106.C4.o9.gs	Method	GENSCAN
Start	29749	End	30231
GI	none	Score	.8
Exons	29749..30231		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28075	Strand	+
Start	32691	End	33170
Name	OJ991011_03.0106.C4.o10.gs	Method	GENSCAN
Start	32691	End	33134

GI	none	Score	.75
Exons	32691..33134		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28075	Strand	+
Start	32691	End	33170
Name	OJ991011_03.0106.C4.o5.np	Method	AAT/NAP
Start	32841	End	33170
GI	1304217	Score	297
Exons	32841..33170		
GI Descrip.	(D43658) allergenic protein [Oryza sativa]		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28076	Strand	+
Start	34928	End	35392
Name	OJ991011_03.0106.C4.o11.gs	Method	GENSCAN
Start	34928	End	35392
GI	none	Score	.79
Exons	34928..35392		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28077	Strand	+
Start	37827	End	39978
Name	OJ991011_03.0106.C4.o12.gs	Method	GENSCAN
Start	37827	End	39978
GI	none	Score	.7
Exons	37827..37873, 38077..38253, 39894..39978		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28078	Strand	+
Start	42888	End	47459
Name	OJ991011_03.0106.C4.o14.gs	Method	GENSCAN
Start	42888	End	47454
GI	none	Score	.4
Exons	42888..43301, 43609..43781, 44220..44325, 45011..46084, 46362..46582, 47322..47454		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28078	Strand	+
Start	42888	End	47459
Name	OJ991011_03.0106.C4.o7.np	Method	AAT/NAP
Start	42954	End	47459
GI	2335106	Score	1976
Exons	42954..43301, 43609..43781, 44220..44325, 45011..46084, 46192..46297, 46379..46582, 47322..47459		
GI Descrip.	(AC002339) putative salt-inducible protein [Arabidopsis thaliana]		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28078	Strand	+
Start	42888	End	47459
Name	OJ991011_03.0106.C4.o9.gp	Method	AAT/GAP
Start	43746	End	45215
GI	5005123	Score	630
Exons	43746..43781, 44220..44325, 45011..45215		
GI Descrip.	2335106 6.0e-51 (AC002339) salt inducible protein-like [Arabidopsis thaliana]		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28079	Strand	-
Start	7845	End	11418
Name	OJ991011_03.0106.C4.o3.gs	Method	GENSCAN
Start	7845	End	11418
GI	none	Score	.93
Exons	7845..8075, 8405..9301, 9387..10504, 10602..11418		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28080	Strand	-
Start	12612	End	12986
Name	OJ991011_03.0106.C4.o2.gp	Method	AAT/GAP
Start	12612	End	12986
GI	none	Score	545
Exons	12612..12986		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28081	Strand	-
Start	13038	End	13760
Name	OJ991011_03.0106.C4.o4.gs	Method	GENSCAN
Start	13038	End	13760
GI	none	Score	.72
Exons	13038..13491, 13591..13760		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28082	Strand	-
Start	16387	End	18164
Name	OJ991011_03.0106.C4.o6.gs	Method	GENSCAN
Start	16387	End	18164
GI	none	Score	.55
Exons	16387..16622, 17261..17362, 17768..18164		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28083	Strand	-
Start	35105	End	35553
Name	OJ991011_03.0106.C4.o6.gp	Method	AAT/GAP
Start	35105	End	35553
GI	28680_1.R1084	Score	695
Exons	35105..35553		
GI Descrip.	'413823/gb|U02457|U02457 5.0e-14 Cloning vector pYEUra3, complete sequence'		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28084	Strand	-
Start	40230	End	42094
Name	OJ991011_03.0106.C4.o11.tm	Method	TBLASTX:Maize
Start	1476	End	1750
GI	none	Score	165
Exons	1476..1661, 1667..1750		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28084	Strand	-
Start	40230	End	42094
Name	OJ991011_03.0106.C4.o7.tw	Method	TBLASTX:Wheat
Start	2759	End	3105
GI	none	Score	64

Exons	2759..2842, 2876..3097, 2915..3070, 3064..3105		
Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28084	Strand	-
Start	40230	End	42094
Name	OJ991011_03.0106.C4.o2.tw	Method	TBLASTX:Wheat
Start	3326	End	3755
GI	none	Score	475
Exons	3326..3754, 3330..3755		
Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28084	Strand	-
Start	40230	End	42094
Name	OJ991011_03.0106.C4.o3.tm	Method	TBLASTX:Maize
Start	3434	End	3785
GI	none	Score	154
Exons	3434..3772, 3437..3772, 3498..3785, 3547..3774		
Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28084	Strand	-
Start	40230	End	42094
Name	OJ991011_03.0106.C4.o4.tm	Method	TBLASTX:Maize
Start	3812	End	4196
GI	none	Score	402
Exons	3812..4183, 3813..4196, 3873..4193		
Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28084	Strand	-
Start	40230	End	42094
Name	OJ991011_03.0106.C4.o3.tw	Method	TBLASTX:Wheat
Start	3870	End	4289
GI	none	Score	441
Exons	3870..4289, 3875..4183, 4176..4262		
Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28084	Strand	-
Start	40230	End	42094
Name	OJ991011_03.0106.C4.o1.ts	Method	TBLASTX:Soybean
Start	3948	End	4376
GI	none	Score	309
Exons	3948..4376, 3953..4315		
Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28084	Strand	-
Start	40230	End	42094
Name	OJ991011_03.0106.C4.o10.tw	Method	TBLASTX:Wheat
Start	4295	End	4562
GI	none	Score	75
Exons	4295..4366, 4296..4367, 4374..4562, 4379..4561		
Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28084	Strand	-
Start	40230	End	42094
Name	OJ991011_03.0106.C4.o6.tw	Method	TBLASTX:Wheat
Start	4563	End	4978
GI	none	Score	282
Exons	4563..4664, 4566..4976, 4571..4678, 4760..4978		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28084	Strand	-
Start	40230	End	42094
Name	OJ991011_03.0106.C4.o2.tm	Method	TBLASTX:Maize
Start	5172	End	5630
GI	none	Score	416
Exons	5172..5630, 5276..5629		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28084	Strand	-
Start	40230	End	42094
Name	OJ991011_03.0106.C4.o5.tw	Method	TBLASTX:Wheat
Start	5280	End	5669
GI	none	Score	296
Exons	5280..5669, 5321..5443, 5507..5590		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28084	Strand	-
Start	40230	End	42094
Name	OJ991011_03.0106.C4.o4.ts	Method	TBLASTX:Soybean
Start	5469	End	5816
GI	none	Score	89
Exons	5469..5591, 5592..5816		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28084	Strand	-
Start	40230	End	42094
Name	OJ991011_03.0106.C4.o10.tm	Method	TBLASTX:Maize
Start	5631	End	5800
GI	none	Score	211
Exons	5631..5798, 5633..5776, 5636..5800		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28084	Strand	-
Start	40230	End	42094
Name	OJ991011_03.0106.C4.o9.tw	Method	TBLASTX:Wheat
Start	5790	End	6386
GI	none	Score	124
Exons	5790..5894, 5796..5906, 5825..5914, 5837..5923, 5933..6058, 5934..6098, 6261..6386		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28084	Strand	-
Start	40230	End	42094
Name	OJ991011_03.0106.C4.o9.tm	Method	TBLASTX:Maize
Start	5832	End	6068
GI	none	Score	218
Exons	5832..6068, 5849..6040		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28084	Strand	-
Start	40230	End	42094
Name	OJ991011_03.0106.C4.o4.tw	Method	TBLASTX:Wheat
Start	22506	End	23090
GI	none	Score	216
Exons	22506..22796, 22562..22816, 22845..22964, 22851..22883,		

22935..22970, 22962..23090

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28084	Strand	-
Start	40230	End	42094
Name	OJ991011_03.0106.C4.o2.ts	Method	TBLASTX:Soybean
Start	22524	End	22801
GI	none	Score	285
Exons	22524..22796, 22541..22801		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28084	Strand	-
Start	40230	End	42094
Name	OJ991011_03.0106.C4.o2.tc	Method	TBLASTX:Cress
Start	22833	End	23186
GI	none	Score	283
Exons	22833..23186		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28084	Strand	-
Start	40230	End	42094
Name	OJ991011_03.0106.C4.o5.ts	Method	TBLASTX:Soybean
Start	22865	End	23105
GI	none	Score	201
Exons	22865..23104, 22866..23105		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28084	Strand	-
Start	40230	End	42094
Name	OJ991011_03.0106.C4.o7.tm	Method	TBLASTX:Maize
Start	22958	End	23165
GI	none	Score	274
Exons	22958..23149, 22959..23165, 22962..23165		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28084	Strand	-
Start	40230	End	42094
Name	OJ991011_03.0106.C4.o8.tw	Method	TBLASTX:Wheat
Start	23091	End	23437
GI	none	Score	59
Exons	23091..23132, 23136..23234, 23138..23236, 23280..23366, 23292..23354, 23387..23437, 23388..23426		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28084	Strand	-
Start	40230	End	42094
Name	OJ991011_03.0106.C4.o1.tm	Method	TBLASTX:Maize
Start	24042	End	24425
GI	none	Score	56
Exons	24042..24110, 24110..24421, 24111..24425		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28084	Strand	-
Start	40230	End	42094
Name	OJ991011_03.0106.C4.o1.tw	Method	TBLASTX:Wheat
Start	24066	End	25274
GI	none	Score	551

Exons	24066..24821, 24311..24466, 24539..24595, 24827..24973, 24834..24989, 24978..25067, 25008..25064, 25095..25199, 25100..25192, 25206..25274		
Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28084	Strand	-
Start	40230	End	42094
Name	OJ991011_03.0106.C4.o1.tc	Method	TBLASTX:Cress
Start	24356	End	24779
GI	none	Score	309
Exons	24356..24466, 24357..24779, 24539..24595		
Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28084	Strand	-
Start	40230	End	42094
Name	OJ991011_03.0106.C4.o8.tm	Method	TBLASTX:Maize
Start	24675	End	24970
GI	none	Score	153
Exons	24675..24845, 24849..24968, 24857..24970		
Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28084	Strand	-
Start	40230	End	42094
Name	OJ991011_03.0106.C4.o13.gs	Method	GENSCAN
Start	40230	End	42094
GI	none	Score	.67
Exons	40230..40590, 40690..40993, 41349..41607, 41760..41900, 42008..42094		
Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28084	Strand	-
Start	40230	End	42094
Name	OJ991011_03.0106.C4.o6.np	Method	AAT/NAP
Start	40287	End	41517
GI	3549671	Score	349
Exons	40287..40930, 41349..41517		
GI Descrip.	(AL031394) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28084	Strand	-
Start	40230	End	42094
Name	OJ991011_03.0106.C4.o5.tm	Method	TBLASTX:Maize
Start	40365	End	40883
GI	none	Score	195
Exons	40365..40592, 40420..40593, 40686..40805, 40694..40804, 40788..40856, 40811..40852, 40857..40883		
Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28084	Strand	-
Start	40230	End	42094
Name	OJ991011_03.0106.C4.o7.gp	Method	AAT/GAP
Start	40426	End	40858
GI	none	Score	597
Exons	40426..40590, 40690..40858		
Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28084	Strand	-

Start	40230	End	42094
Name	OJ991011_03.0106.C4.o8.gp	Method	AAT/GAP
Start	40892	End	41865
GI	66134_1.R1084	Score	805
Exons	40892..40930, 41349..41637, 41760..41865		
GI Descrip.	'3549671/emb|CAA20582.1| 4.0e-09 (AL031394) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28084	Strand	-
Start	40230	End	42094
Name	OJ991011_03.0106.C4.o12.tm	Method	TBLASTX:Maize
Start	41349	End	41521
GI	none	Score	94
Exons	41349..41438, 41350..41436, 41351..41521, 41497..41520		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28085	Strand	
Start	43041	End	43776
Name	OJ991011_03.0106.C4.o4.tc	Method	TBLASTX:Cress
Start	43041	End	43776
GI	none	Score	114
Exons	43041..43226, 43236..43301, 43608..43772, 43609..43776, 43609..43776		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28086	Strand	
Start	44981	End	46571
Name	OJ991011_03.0106.C4.o3.tc	Method	TBLASTX:Cress
Start	44981	End	46287
GI	none	Score	101
Exons	44981..45322, 45014..45259, 45335..45586, 45338..45472, 45389..45622, 45437..45787, 45542..45907, 45605..45814, 45653..46003, 45800..46021, 45851..46057, 45920..46048, 46165..46287, 46165..46287, 46168..46281		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28086	Strand	
Start	44981	End	46571
Name	OJ991011_03.0106.C4.o6.tm	Method	TBLASTX:Maize
Start	45001	End	46048
GI	none	Score	322
Exons	45001..45201, 45011..45205, 45012..45206, 45013..45222, 45080..45304, 45410..45625, 45611..45793, 45830..46048		

Seq. No.	13225	Seq. ID	OJ991011_03.0106.C4
Gene No.	28086	Strand	
Start	44981	End	46571
Name	OJ991011_03.0106.C4.o3.ts	Method	TBLASTX:Soybean
Start	45011	End	46571
GI	none	Score	80
Exons	45011..45187, 45011..45253, 45035..45208, 45338..46054, 45338..46003, 45338..45658, 45338..45859, 45338..45766, 45341..45481, 45431..46021, 45488..45592, 45524..45994, 45527..45814, 45542..46069, 45560..45748, 45593..45748, 45740..46054, 46165..46299, 46183..46299, 46189..46284, 46371..46571		

Seq. No.	13226	Seq. ID	OJ991011_03.0106.C5
Gene No.	28087	Strand	+
Start	1	End	406
Name	OJ991011_03.0106.C5.o1.np	Method	AAT/NAP
Start	1	End	406
GI	2335106	Score	139
Exons	1..108, 235..406		
GI Descrip.	(AC002339) putative salt-inducible protein [Arabidopsis thaliana]		

Seq. No.	13226	Seq. ID	OJ991011_03.0106.C5
Gene No.	28088	Strand	-
Start	1353	End	2376
Name	OJ991011_03.0106.C5.o1.gs	Method	GENSCAN
Start	1353	End	2376
GI	none	Score	.43
Exons	1353..1486, 2288..2376		

Seq. No.	13227	Seq. ID	OJ991011_03.0106.C6
Gene No.	28089	Strand	-
Start	163	End	1727
Name	OJ991011_03.0106.C6.o1.gs	Method	GENSCAN
Start	163	End	1727
GI	none	Score	.72
Exons	163..393, 498..649, 1616..1727		

Seq. No.	13228	Seq. ID	OJ991001_03.0107.C1
Gene No.	28090	Strand	+
Start	36	End	1134
Name	OJ991001_03.0107.C1.o1.gs	Method	GENSCAN
Start	36	End	987
GI	none	Score	.75
Exons	36..112, 445..547, 603..987		

Seq. No.	13228	Seq. ID	OJ991001_03.0107.C1
Gene No.	28090	Strand	+
Start	36	End	1134
Name	OJ991001_03.0107.C1.o1.np	Method	AAT/NAP
Start	621	End	1134
GI	6721562	Score	782
Exons	621..1134		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	13229	Seq. ID	OJ991001_03.0107.C2
Gene No.	28091	Strand	+
Start	1	End	5390
Name	OJ991001_03.0107.C2.o1.np	Method	AAT/NAP
Start	1	End	4271
GI	4680179	Score	6225
Exons	1..4271		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	13229	Seq. ID	OJ991001_03.0107.C2
Gene No.	28091	Strand	+
Start	1	End	5390
Name	OJ991001_03.0107.C2.o1.gs	Method	GENSCAN
Start	275	End	5390
GI	none	Score	.56
Exons	275..3513, 3770..4113, 4675..4783, 4952..5205, 5298..5390		

Seq. No.	13229	Seq. ID	OJ991001_03.0107.C2
Gene No.	28092	Strand	-
Start	4536	End	5426
Name	OJ991001_03.0107.C2.o8.tw	Method	TBLASTX:Wheat
Start	203	End	559
GI	none	Score	233
Exons	203..493, 220..405, 461..559		

Seq. No.	13229	Seq. ID	OJ991001_03.0107.C2
Gene No.	28092	Strand	-
Start	4536	End	5426
Name	OJ991001_03.0107.C2.o6.tm	Method	TBLASTX:Maize
Start	220	End	529
GI	none	Score	213
Exons	220..384, 224..529		

Seq. No.	13229	Seq. ID	OJ991001_03.0107.C2
Gene No.	28092	Strand	-
Start	4536	End	5426
Name	OJ991001_03.0107.C2.o7.tw	Method	TBLASTX:Wheat
Start	857	End	1258
GI	none	Score	143
Exons	857..1081, 889..1023, 1064..1177, 1085..1258, 1159..1227		

Seq. No.	13229	Seq. ID	OJ991001_03.0107.C2
Gene No.	28092	Strand	-
Start	4536	End	5426
Name	OJ991001_03.0107.C2.o8.tm	Method	TBLASTX:Maize
Start	895	End	1171
GI	none	Score	195
Exons	895..996, 896..1171		

Seq. No.	13229	Seq. ID	OJ991001_03.0107.C2
Gene No.	28092	Strand	-
Start	4536	End	5426
Name	OJ991001_03.0107.C2.o4.tw	Method	TBLASTX:Wheat
Start	1433	End	1915
GI	none	Score	546
Exons	1433..1915, 1537..1872		

Seq. No.	13229	Seq. ID	OJ991001_03.0107.C2
Gene No.	28092	Strand	-
Start	4536	End	5426
Name	OJ991001_03.0107.C2.o4.ts	Method	TBLASTX:Soybean
Start	1469	End	1783
GI	none	Score	183
Exons	1469..1783, 1585..1782		

Seq. No.	13229	Seq. ID	OJ991001_03.0107.C2

Gene No.	28092	Strand	-
Start	4536	End	5426
Name	OJ991001_03.0107.C2.o4.tm	Method	TBLASTX:Maize
Start	1502	End	1969
GI	none	Score	389
Exons	1502..1969, 1573..1872		

Seq. No.	13229	Seq. ID	OJ991001_03.0107.C2
Gene No.	28092	Strand	-
Start	4536	End	5426
Name	OJ991001_03.0107.C2.o1.ts	Method	TBLASTX:Soybean
Start	1856	End	2251
GI	none	Score	57
Exons	1856..1888, 1858..1884, 1892..2251, 1899..1970, 1904..2221, 1996..2250		

Seq. No.	13229	Seq. ID	OJ991001_03.0107.C2
Gene No.	28092	Strand	-
Start	4536	End	5426
Name	OJ991001_03.0107.C2.o5.tw	Method	TBLASTX:Wheat
Start	1964	End	2266
GI	none	Score	405
Exons	1964..2266, 1967..2257, 1996..2265		

Seq. No.	13229	Seq. ID	OJ991001_03.0107.C2
Gene No.	28092	Strand	-
Start	4536	End	5426
Name	OJ991001_03.0107.C2.o5.tm	Method	TBLASTX:Maize
Start	1985	End	2338
GI	none	Score	331
Exons	1985..2338, 2053..2331		

Seq. No.	13229	Seq. ID	OJ991001_03.0107.C2
Gene No.	28092	Strand	-
Start	4536	End	5426
Name	OJ991001_03.0107.C2.o2.tw	Method	TBLASTX:Wheat
Start	2267	End	2776
GI	none	Score	621
Exons	2267..2776, 2275..2685, 2309..2689		

Seq. No.	13229	Seq. ID	OJ991001_03.0107.C2
Gene No.	28092	Strand	-
Start	4536	End	5426
Name	OJ991001_03.0107.C2.o3.ts	Method	TBLASTX:Soybean
Start	2273	End	2518
GI	none	Score	209
Exons	2273..2518		

Seq. No.	13229	Seq. ID	OJ991001_03.0107.C2
Gene No.	28092	Strand	-
Start	4536	End	5426
Name	OJ991001_03.0107.C2.o2.tm	Method	TBLASTX:Maize
Start	2339	End	2702
GI	none	Score	477
Exons	2339..2692, 2341..2685, 2379..2702		

Seq. No.	13229	Seq. ID	OJ991001_03.0107.C2

Gene No.	28092	Strand	-
Start	4536	End	5426
Name	OJ991001_03.0107.C2.o3.tw	Method	TBLASTX:Wheat
Start	2780	End	3259
GI	none	Score	587
Exons	2780..3259, 2813..3223, 3004..3258		

Seq. No.	13229	Seq. ID	OJ991001_03.0107.C2
Gene No.	28092	Strand	-
Start	4536	End	5426
Name	OJ991001_03.0107.C2.o1.tc	Method	TBLASTX:Cress
Start	2966	End	3283
GI	none	Score	89
Exons	2966..3139, 3140..3283, 3142..3282		

Seq. No.	13229	Seq. ID	OJ991001_03.0107.C2
Gene No.	28092	Strand	-
Start	4536	End	5426
Name	OJ991001_03.0107.C2.o2.ts	Method	TBLASTX:Soybean
Start	3047	End	3307
GI	none	Score	299
Exons	3047..3307, 3052..3306		

Seq. No.	13229	Seq. ID	OJ991001_03.0107.C2
Gene No.	28092	Strand	-
Start	4536	End	5426
Name	OJ991001_03.0107.C2.o3.tm	Method	TBLASTX:Maize
Start	3106	End	3397
GI	none	Score	390
Exons	3106..3393, 3107..3397		

Seq. No.	13229	Seq. ID	OJ991001_03.0107.C2
Gene No.	28092	Strand	-
Start	4536	End	5426
Name	OJ991001_03.0107.C2.o1.tw	Method	TBLASTX:Wheat
Start	3266	End	3893
GI	none	Score	657
Exons	3266..3838, 3268..3834, 3840..3893		

Seq. No.	13229	Seq. ID	OJ991001_03.0107.C2
Gene No.	28092	Strand	-
Start	4536	End	5426
Name	OJ991001_03.0107.C2.o1.tm	Method	TBLASTX:Maize
Start	3446	End	4034
GI	none	Score	217
Exons	3446..3607, 3454..3600, 3605..3838, 3610..3834, 3819..4034, 3935..4033		

Seq. No.	13229	Seq. ID	OJ991001_03.0107.C2
Gene No.	28092	Strand	-
Start	4536	End	5426
Name	OJ991001_03.0107.C2.o6.tw	Method	TBLASTX:Wheat
Start	3893	End	4261
GI	none	Score	372
Exons	3893..4093, 3894..4226, 4208..4261		

Seq. No.	13229	Seq. ID	OJ991001_03.0107.C2

Gene No.	28092	Strand	-
Start	4536	End	5426
Name	OJ991001_03.0107.C2.o7.tm	Method	TBLASTX:Maize
Start	4035	End	4247
GI	none	Score	202
Exons	4035..4247		

Seq. No.	13229	Seq. ID	OJ991001_03.0107.C2
Gene No.	28092	Strand	-
Start	4536	End	5426
Name	OJ991001_03.0107.C2.o2.np	Method	AAT/NAP
Start	4536	End	5426
GI	5295955	Score	355
Exons	4536..5426		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	13230	Seq. ID	OJ991001_03.0107.C3
Gene No.	28093	Strand	+
Start	9742	End	15388
Name	OJ991001_03.0107.C3.o1.np	Method	AAT/NAP
Start	9742	End	15388
GI	6498441	Score	6771
Exons	9742..10805, 11136..11599, 11663..12036, 12220..12354, 12529..12769, 12962..13444, 13616..15013, 15107..15388		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	13230	Seq. ID	OJ991001_03.0107.C3
Gene No.	28094	Strand	-
Start	47	End	2122
Name	OJ991001_03.0107.C3.o1.gs	Method	GENSCAN
Start	47	End	2122
GI	none	Score	.81
Exons	47..125, 246..294, 1040..1158, 1567..1703, 2053..2122		

Seq. No.	13230	Seq. ID	OJ991001_03.0107.C3
Gene No.	28095	Strand	-
Start	16035	End	20787
Name	OJ991001_03.0107.C3.o3.tw	Method	TBLASTX:Wheat
Start	993	End	11506
GI	none	Score	411
Exons	993..1094, 11020..11193, 11021..11506, 11215..11502		

Seq. No.	13230	Seq. ID	OJ991001_03.0107.C3
Gene No.	28095	Strand	-
Start	16035	End	20787
Name	OJ991001_03.0107.C3.o6.tw	Method	TBLASTX:Wheat
Start	9890	End	10282
GI	none	Score	58
Exons	9890..9937, 9944..10042, 9961..10041, 10009..10248, 10025..10282		

Seq. No.	13230	Seq. ID	OJ991001_03.0107.C3
Gene No.	28095	Strand	-
Start	16035	End	20787
Name	OJ991001_03.0107.C3.o4.tm	Method	TBLASTX:Maize

Start	9895	End	10180
GI	none	Score	193
Exons	9895..10179, 9932..10180		

Seq. No.	13230	Seq. ID	OJ991001_03.0107.C3
Gene No.	28095	Strand	-
Start	16035	End	20787
Name	OJ991001_03.0107.C3.o1.tw	Method	TBLASTX:Wheat
Start	11670	End	12133
GI	none	Score	225
Exons	11670..12113, 11671..12132, 11672..12133		

Seq. No.	13230	Seq. ID	OJ991001_03.0107.C3
Gene No.	28095	Strand	-
Start	16035	End	20787
Name	OJ991001_03.0107.C3.o1.tm	Method	TBLASTX:Maize
Start	11801	End	12157
GI	none	Score	396
Exons	11801..12157, 11827..12147, 11852..12157		

Seq. No.	13230	Seq. ID	OJ991001_03.0107.C3
Gene No.	28095	Strand	-
Start	16035	End	20787
Name	OJ991001_03.0107.C3.o3.tm	Method	TBLASTX:Maize
Start	12184	End	12568
GI	none	Score	360
Exons	12184..12549, 12185..12568		

Seq. No.	13230	Seq. ID	OJ991001_03.0107.C3
Gene No.	28095	Strand	-
Start	16035	End	20787
Name	OJ991001_03.0107.C3.o2.tw	Method	TBLASTX:Wheat
Start	12242	End	12666
GI	none	Score	485
Exons	12242..12661, 12247..12666		

Seq. No.	13230	Seq. ID	OJ991001_03.0107.C3
Gene No.	28095	Strand	-
Start	16035	End	20787
Name	OJ991001_03.0107.C3.o1.ts	Method	TBLASTX:Soybean
Start	12320	End	12691
GI	none	Score	272
Exons	12320..12691, 12337..12480		

Seq. No.	13230	Seq. ID	OJ991001_03.0107.C3
Gene No.	28095	Strand	-
Start	16035	End	20787
Name	OJ991001_03.0107.C3.o5.tw	Method	TBLASTX:Wheat
Start	13316	End	13750
GI	none	Score	234
Exons	13316..13540, 13316..13540, 13381..13554, 13601..13750, 13612..13749		

Seq. No.	13230	Seq. ID	OJ991001_03.0107.C3
Gene No.	28095	Strand	-
Start	16035	End	20787
Name	OJ991001_03.0107.C3.o2.ts	Method	TBLASTX:Soybean

Start	13439	End	14005
GI	5666795	Score	68
Exons	13439..13537, 13613..13750, 13805..14005		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	13230	Seq. ID	OJ991001_03.0107.C3
Gene No.	28095	Strand	-
Start	16035	End	20787
Name	OJ991001_03.0107.C3.o9.tw	Method	TBLASTX:Wheat
Start	13753	End	14065
GI	none	Score	190
Exons	13753..13929, 13805..14065		

Seq. No.	13230	Seq. ID	OJ991001_03.0107.C3
Gene No.	28095	Strand	-
Start	16035	End	20787
Name	OJ991001_03.0107.C3.o2.tm	Method	TBLASTX:Maize
Start	14258	End	14581
GI	none	Score	362
Exons	14258..14581, 14287..14568		

Seq. No.	13230	Seq. ID	OJ991001_03.0107.C3
Gene No.	28095	Strand	-
Start	16035	End	20787
Name	OJ991001_03.0107.C3.o4.tw	Method	TBLASTX:Wheat
Start	14395	End	14776
GI	none	Score	361
Exons	14395..14451, 14396..14776, 14497..14745		

Seq. No.	13230	Seq. ID	OJ991001_03.0107.C3
Gene No.	28095	Strand	-
Start	16035	End	20787
Name	OJ991001_03.0107.C3.o7.tw	Method	TBLASTX:Wheat
Start	14777	End	15379
GI	none	Score	265
Exons	14777..15061, 14782..15060, 15253..15366, 15254..15379		

Seq. No.	13230	Seq. ID	OJ991001_03.0107.C3
Gene No.	28095	Strand	-
Start	16035	End	20787
Name	OJ991001_03.0107.C3.o5.tm	Method	TBLASTX:Maize
Start	15248	End	15394
GI	none	Score	186
Exons	15248..15394, 15253..15369		

Seq. No.	13230	Seq. ID	OJ991001_03.0107.C3
Gene No.	28095	Strand	-
Start	16035	End	20787
Name	OJ991001_03.0107.C3.o2.np	Method	AAT/NAP
Start	16035	End	20232
GI	6907089	Score	866
Exons	16035..16749, 20188..20232		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	13230	Seq. ID	OJ991001_03.0107.C3
Gene No.	28095	Strand	-
Start	16035	End	20787

Name	OJ991001_03.0107.C3.o3.np	Method	AAT/NAP
Start	16823	End	20787
GI	6815052	Score	1583
Exons	16823..16942, 17223..17296, 17378..18112, 18161..18305, 19085..19177, 20045..20144, 20443..20573, 20764..20787		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	13230	Seq. ID	OJ991001_03.0107.C3
Gene No.	28095	Strand	-
Start	16035	End	20787
Name	OJ991001_03.0107.C3.o8.tw	Method	TBLASTX:Wheat
Start	18212	End	18860
GI	none	Score	90
Exons	18212..18280, 18366..18656, 18677..18829, 18681..18860		

Seq. No.	13230	Seq. ID	OJ991001_03.0107.C3
Gene No.	28095	Strand	-
Start	16035	End	20787
Name	OJ991001_03.0107.C3.o3.ts	Method	TBLASTX:Soybean
Start	18468	End	18842
GI	none	Score	107
Exons	18468..18662, 18657..18842		

Seq. No.	13231	Seq. ID	OJ991001_03.0107.C4
Gene No.	28096	Strand	+
Start	14061	End	20216
Name	OJ991001_03.0107.C4.o4.gs	Method	GENSCAN
Start	14061	End	16487
GI	none	Score	.82
Exons	14061..16487		

Seq. No.	13231	Seq. ID	OJ991001_03.0107.C4
Gene No.	28096	Strand	+
Start	14061	End	20216
Name	OJ991001_03.0107.C4.o3.np	Method	AAT/NAP
Start	14566	End	20213
GI	6498441	Score	6859
Exons	14566..15630, 15961..16424, 16488..16861, 17045..17179, 17354..17642, 17835..18269, 18441..19838, 19932..20213		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	13231	Seq. ID	OJ991001_03.0107.C4
Gene No.	28096	Strand	+
Start	14061	End	20216
Name	OJ991001_03.0107.C4.o5.gs	Method	GENSCAN
Start	16551	End	20216
GI	none	Score	.95
Exons	16551..20216		

Seq. No.	13231	Seq. ID	OJ991001_03.0107.C4
Gene No.	28097	Strand	+
Start	23371	End	23853
Name	OJ991001_03.0107.C4.o5.np	Method	AAT/NAP
Start	23371	End	23853
GI	5042454	Score	277

Exons	23371..23567, 23800..23853		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	13231	Seq. ID	OJ991001_03.0107.C4
Gene No.	28098	Strand	-
Start	1	End	2502
Name	OJ991001_03.0107.C4.o1.np	Method	AAT/NAP
Start	1	End	2502
GI	6907089	Score	3194
Exons	1..1148, 1241..2502		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	13231	Seq. ID	OJ991001_03.0107.C4
Gene No.	28098	Strand	-
Start	1	End	2502
Name	OJ991001_03.0107.C4.o1.gs	Method	GENSCAN
Start	87	End	2502
GI	none	Score	.96
Exons	87..1148, 1241..2502		
Seq. No.	13231	Seq. ID	OJ991001_03.0107.C4
Gene No.	28099	Strand	-
Start	3345	End	4185
Name	OJ991001_03.0107.C4.o2.np	Method	AAT/NAP
Start	3345	End	4185
GI	5922623	Score	367
Exons	3345..3420, 3588..3735, 4105..4185		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	13231	Seq. ID	OJ991001_03.0107.C4
Gene No.	28100	Strand	-
Start	6149	End	10546
Name	OJ991001_03.0107.C4.o3.gs	Method	GENSCAN
Start	6149	End	10546
GI	none	Score	.71
Exons	6149..6292, 6362..6445, 6484..6682, 7111..7376, 8835..9015, 9251..9306, 10309..10382, 10408..10546		
Seq. No.	13231	Seq. ID	OJ991001_03.0107.C4
Gene No.	28101	Strand	-
Start	20859	End	23107
Name	OJ991001_03.0107.C4.o6.gs	Method	GENSCAN
Start	20859	End	22508
GI	none	Score	.96
Exons	20859..22508		
Seq. No.	13231	Seq. ID	OJ991001_03.0107.C4
Gene No.	28101	Strand	-
Start	20859	End	23107
Name	OJ991001_03.0107.C4.o4.np	Method	AAT/NAP
Start	20862	End	23107
GI	5803259	Score	2350
Exons	20862..22711, 22836..23107		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	13231	Seq. ID	OJ991001_03.0107.C4
Gene No.	28102	Strand	-
Start	23517	End	24040
Name	OJ991001_03.0107.C4.o6.tw	Method	TBLASTX:Wheat
Start	14715	End	15107
GI	none	Score	58
Exons	14715..14762, 14769..14867, 14774..14866, 14834..15073, 14850..15107		

Seq. No.	13231	Seq. ID	OJ991001_03.0107.C4
Gene No.	28102	Strand	-
Start	23517	End	24040
Name	OJ991001_03.0107.C4.o4.tm	Method	TBLASTX:Maize
Start	14720	End	15005
GI	none	Score	197
Exons	14720..15004, 14757..15005		

Seq. No.	13231	Seq. ID	OJ991001_03.0107.C4
Gene No.	28102	Strand	-
Start	23517	End	24040
Name	OJ991001_03.0107.C4.o3.tw	Method	TBLASTX:Wheat
Start	15845	End	16304
GI	none	Score	404
Exons	15845..15982, 15846..16304, 16040..16300		

Seq. No.	13231	Seq. ID	OJ991001_03.0107.C4
Gene No.	28102	Strand	-
Start	23517	End	24040
Name	OJ991001_03.0107.C4.o1.tw	Method	TBLASTX:Wheat
Start	16496	End	16958
GI	none	Score	569
Exons	16496..16957, 16497..16958		

Seq. No.	13231	Seq. ID	OJ991001_03.0107.C4
Gene No.	28102	Strand	-
Start	23517	End	24040
Name	OJ991001_03.0107.C4.o1.tm	Method	TBLASTX:Maize
Start	16626	End	16982
GI	none	Score	392
Exons	16626..16982, 16661..16972, 16677..16982		

Seq. No.	13231	Seq. ID	OJ991001_03.0107.C4
Gene No.	28102	Strand	-
Start	23517	End	24040
Name	OJ991001_03.0107.C4.o2.tm	Method	TBLASTX:Maize
Start	17009	End	17393
GI	none	Score	361
Exons	17009..17374, 17010..17393		

Seq. No.	13231	Seq. ID	OJ991001_03.0107.C4
Gene No.	28102	Strand	-
Start	23517	End	24040
Name	OJ991001_03.0107.C4.o2.tw	Method	TBLASTX:Wheat
Start	17066	End	17491
GI	none	Score	487
Exons	17066..17491, 17067..17486		

Seq. No.	13231	Seq. ID	OJ991001_03.0107.C4
Gene No.	28102	Strand	-
Start	23517	End	24040
Name	OJ991001_03.0107.C4.o1.ts	Method	TBLASTX:Soybean
Start	17145	End	17516
GI	none	Score	274
Exons	17145..17516		

Seq. No.	13231	Seq. ID	OJ991001_03.0107.C4
Gene No.	28102	Strand	-
Start	23517	End	24040
Name	OJ991001_03.0107.C4.o5.tw	Method	TBLASTX:Wheat
Start	18141	End	18575
GI	none	Score	235
Exons	18141..18392, 18156..18365, 18206..18382, 18426..18575, 18426..18572, 18437..18574		

Seq. No.	13231	Seq. ID	OJ991001_03.0107.C4
Gene No.	28102	Strand	-
Start	23517	End	24040
Name	OJ991001_03.0107.C4.o2.ts	Method	TBLASTX:Soybean
Start	18264	End	18830
GI	5666795	Score	68
Exons	18264..18362, 18438..18575, 18630..18830		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	13231	Seq. ID	OJ991001_03.0107.C4
Gene No.	28102	Strand	-
Start	23517	End	24040
Name	OJ991001_03.0107.C4.o8.tw	Method	TBLASTX:Wheat
Start	18578	End	18890
GI	none	Score	192
Exons	18578..18754, 18630..18890		

Seq. No.	13231	Seq. ID	OJ991001_03.0107.C4
Gene No.	28102	Strand	-
Start	23517	End	24040
Name	OJ991001_03.0107.C4.o3.tm	Method	TBLASTX:Maize
Start	19083	End	19406
GI	none	Score	361
Exons	19083..19406, 19112..19393		

Seq. No.	13231	Seq. ID	OJ991001_03.0107.C4
Gene No.	28102	Strand	-
Start	23517	End	24040
Name	OJ991001_03.0107.C4.o4.tw	Method	TBLASTX:Wheat
Start	19220	End	19601
GI	none	Score	371
Exons	19220..19276, 19221..19601, 19224..19562, 19322..19570		

Seq. No.	13231	Seq. ID	OJ991001_03.0107.C4
Gene No.	28102	Strand	-
Start	23517	End	24040
Name	OJ991001_03.0107.C4.o7.tw	Method	TBLASTX:Wheat
Start	19602	End	20204
GI	none	Score	289
Exons	19602..19940, 19607..19885, 20078..20200, 20079..20204		

Seq. No.	13231	Seq. ID	OJ991001_03.0107.C4
Gene No.	28102	Strand	-
Start	23517	End	24040
Name	OJ991001_03.0107.C4.o7.gs	Method	GENSCAN
Start	23517	End	24040
GI	none	Score	.96
Exons	23517..23747, 23927..24040		

Seq. No.	13232	Seq. ID	OJ991001_03.0107.C5
Gene No.	28103	Strand	+
Start	774	End	3089
Name	OJ991001_03.0107.C5.o1.gs	Method	GENSCAN
Start	774	End	3089
GI	none	Score	.59
Exons	774..1166, 2895..3089		

Seq. No.	13232	Seq. ID	OJ991001_03.0107.C5
Gene No.	28104	Strand	+
Start	3228	End	3689
Name	OJ991001_03.0107.C5.o1.gp	Method	AAT/GAP
Start	3228	End	3689
GI	LIB3432-059-P1-K1-D8	Score	733
Exons	3228..3689		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	13232	Seq. ID	OJ991001_03.0107.C5
Gene No.	28105	Strand	+
Start	7666	End	8720
Name	OJ991001_03.0107.C5.o3.gs	Method	GENSCAN
Start	7666	End	8720
GI	none	Score	.43
Exons	7666..8072, 8114..8720		

Seq. No.	13232	Seq. ID	OJ991001_03.0107.C5
Gene No.	28106	Strand	-
Start	3826	End	7568
Name	OJ991001_03.0107.C5.o1.tm	Method	TBLASTX:Maize
Start	822	End	1076
GI	none	Score	142
Exons	822..947, 824..946, 951..1076, 959..1072		

Seq. No.	13232	Seq. ID	OJ991001_03.0107.C5
Gene No.	28106	Strand	-
Start	3826	End	7568
Name	OJ991001_03.0107.C5.o2.gs	Method	GENSCAN
Start	3826	End	7568
GI	none	Score	.72
Exons	3826..3968, 7062..7169, 7493..7568		

Seq. No.	13232	Seq. ID	OJ991001_03.0107.C5
Gene No.	28107	Strand	
Start	8797	End	9141
Name	OJ991001_03.0107.C5.o1.tw	Method	TBLASTX:Wheat
Start	8797	End	9141
GI	none	Score	187

Exons	8797..9141, 8895..9071		
Seq. No.	13233	Seq. ID	OJ991101_07.0118.C1
Gene No.	28108	Strand	+
Start	81	End	271
Name	OJ991101_07.0118.C1.o1.gs	Method	GENSCAN
Start	81	End	271
GI	none	Score	.85
Exons	81..271		
Seq. No.	13233	Seq. ID	OJ991101_07.0118.C1
Gene No.	28109	Strand	-
Start	1	End	784
Name	OJ991101_07.0118.C1.o1.np	Method	AAT/NAP
Start	1	End	784
GI	2245017	Score	59
Exons	1..249, 741..784		
GI Descrip.	(Z97341) membrane protein homolog [Arabidopsis thaliana]		
Seq. No.	13234	Seq. ID	OJ991101_07.0118.C2
Gene No.	28110	Strand	+
Start	1	End	2718
Name	OJ991101_07.0118.C2.o1.np	Method	AAT/NAP
Start	1	End	2718
GI	6006374	Score	3853
Exons	1..2718		
GI Descrip.	(AP000559) Similar to Rice tungro bacilliform virus; reverse transcriptase (D10774) [Oryza sativa]		
Seq. No.	13234	Seq. ID	OJ991101_07.0118.C2
Gene No.	28110	Strand	+
Start	1	End	2718
Name	OJ991101_07.0118.C2.o1.gs	Method	GENSCAN
Start	308	End	2370
GI	none	Score	.64
Exons	308..1150, 1793..2370		
Seq. No.	13235	Seq. ID	OJ991101_07.0118.C3
Gene No.	28111	Strand	+
Start	66	End	2366
Name	OJ991101_07.0118.C3.o1.gs	Method	GENSCAN
Start	66	End	2366
GI	none	Score	.41
Exons	66..398, 765..1540, 1854..2366		
Seq. No.	13235	Seq. ID	OJ991101_07.0118.C3
Gene No.	28111	Strand	+
Start	66	End	2366
Name	OJ991101_07.0118.C3.o1.np	Method	AAT/NAP
Start	296	End	2363
GI	6006375	Score	2938
Exons	296..1540, 1825..2363		
GI Descrip.	(AP000559) Similar to ORF3 protein - rice tungro bacilliform virus &RTUORFS_2 (C40785) [Oryza sativa]		
Seq. No.	13235	Seq. ID	OJ991101_07.0118.C3
Gene No.	28112	Strand	+

Start	3888	End	7751
Name	OJ991101_07.0118.C3.o1.tw	Method	TBLASTX:Wheat
Start	398	End	682
GI	none	Score	205
Exons	398..682		

Seq. No.	13235	Seq. ID	OJ991101_07.0118.C3
Gene No.	28112	Strand	+
Start	3888	End	7751
Name	OJ991101_07.0118.C3.o2.gs	Method	GENSCAN
Start	3888	End	7751
GI	none	Score	.67
Exons	3888..4455, 6878..7233, 7626..7751		

Seq. No.	13236	Seq. ID	OJ991101_07.0118.C4
Gene No.	28113	Strand	+
Start	491	End	4975
Name	OJ991101_07.0118.C4.o1.gs	Method	GENSCAN
Start	491	End	4762
GI	none	Score	.82
Exons	491..642, 2364..2468, 3125..3196, 3857..3979, 4054..4148, 4580..4762		

Seq. No.	13236	Seq. ID	OJ991101_07.0118.C4
Gene No.	28113	Strand	+
Start	491	End	4975
Name	OJ991101_07.0118.C4.o1.np	Method	AAT/NAP
Start	1251	End	4975
GI	6319451	Score	87
Exons	1251..1349, 2363..2468, 2557..2687, 3366..3523, 3857..4012, 4096..4136, 4950..4975		
GI Descrip.	67 kDa integral membrane protein; Rft1p gi|586407|sp|P38206|RFT1_YEAST NUCLEAR DIVISION RFT1 PROTEIN gi|626185|pir||S45754 probable membrane protein YBL020w - yeast (Saccharomyces cerevisiae) gi|536015|emb|CAA84839| (Z35781) ORF YBL020w [Saccharomyces cerevisiae] gi|558440 (U15087) Rft1p [Saccharomyces cerevisiae]		

Seq. No.	13236	Seq. ID	OJ991101_07.0118.C4
Gene No.	28114	Strand	-
Start	3570	End	15261
Name	OJ991101_07.0118.C4.o2.ts	Method	TBLASTX:Soybean
Start	2078	End	2612
GI	none	Score	102
Exons	2078..2200, 2079..2180, 2080..2196, 2302..2484, 2303..2476, 2531..2611, 2556..2612		

Seq. No.	13236	Seq. ID	OJ991101_07.0118.C4
Gene No.	28114	Strand	-
Start	3570	End	15261
Name	OJ991101_07.0118.C4.o3.tm	Method	TBLASTX:Maize
Start	3361	End	3897
GI	none	Score	203
Exons	3361..3525, 3375..3431, 3384..3530, 3388..3522, 3389..3547, 3474..3542, 3850..3897, 3856..3897		

Seq. No.	13236	Seq. ID	OJ991101_07.0118.C4

Gene No.	28114	Strand	-
Start	3570	End	15261
Name	OJ991101_07.0118.C4.o2.np	Method	AAT/NAP
Start	3570	End	14258
GI	2245097	Score	754
Exons	3570..3605, 6500..6669, 8977..9048, 9147..9290, 9817..9880, 11307..11567, 13638..13900, 13964..14258		
GI Descrip.	(Z97343) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13236	Seq. ID	OJ991101_07.0118.C4
Gene No.	28114	Strand	-
Start	3570	End	15261
Name	OJ991101_07.0118.C4.o1.tm	Method	TBLASTX:Maize
Start	4226	End	4597
GI	none	Score	220
Exons	4226..4381, 4226..4369, 4227..4370, 4228..4371, 4491..4562, 4493..4597, 4495..4554		

Seq. No.	13236	Seq. ID	OJ991101_07.0118.C4
Gene No.	28114	Strand	-
Start	3570	End	15261
Name	OJ991101_07.0118.C4.o2.tm	Method	TBLASTX:Maize
Start	5900	End	6074
GI	none	Score	135
Exons	5900..6058, 5910..6071, 5911..6015, 5924..6073, 5925..6074, 5926..6072		

Seq. No.	13236	Seq. ID	OJ991101_07.0118.C4
Gene No.	28114	Strand	-
Start	3570	End	15261
Name	OJ991101_07.0118.C4.o1.tw	Method	TBLASTX:Wheat
Start	5918	End	6412
GI	none	Score	151
Exons	5918..6097, 5919..6098, 5927..6097, 5928..6098, 5929..6099, 6311..6409, 6312..6410, 6312..6407, 6314..6412		

Seq. No.	13236	Seq. ID	OJ991101_07.0118.C4
Gene No.	28114	Strand	-
Start	3570	End	15261
Name	OJ991101_07.0118.C4.o2.gs	Method	GENSCAN
Start	5927	End	15261
GI	none	Score	.82
Exons	5927..6094, 6314..6436, 6521..6635, 7477..7575, 7665..7717, 8561..8717, 8808..8866, 8981..9048, 9147..9290, 9817..9880, 10289..10339, 10428..10567, 10638..10777, 11044..11129, 11307..11452, 11502..11646, 12186..12261, 12724..12770, 13020..13065, 13655..13767, 13988..14140, 14938..14986, 15128..15261		

Seq. No.	13236	Seq. ID	OJ991101_07.0118.C4
Gene No.	28114	Strand	-
Start	3570	End	15261
Name	OJ991101_07.0118.C4.o3.ts	Method	TBLASTX:Soybean
Start	6311	End	6637
GI	none	Score	82
Exons	6311..6439, 6312..6437, 6521..6637, 6522..6632		

Seq. No.	13236	Seq. ID	OJ991101_07.0118.C4
Gene No.	28114	Strand	-
Start	3570	End	15261
Name	OJ991101_07.0118.C4.o1.ts	Method	TBLASTX:Soybean
Start	7664	End	9181
GI	none	Score	67
Exons	7664..7747, 7671..7718, 8525..8716, 8529..8720, 8598..8717, 8807..8863, 8985..9050, 8987..9049, 9142..9180, 9143..9181		

Seq. No.	13236	Seq. ID	OJ991101_07.0118.C4
Gene No.	28114	Strand	-
Start	3570	End	15261
Name	OJ991101_07.0118.C4.o4.ts	Method	TBLASTX:Soybean
Start	13654	End	14150
GI	none	Score	115
Exons	13654..13767, 13655..13789, 13868..13900, 13982..14149, 13984..14061, 14010..14150		

Seq. No.	13237	Seq. ID	OJ991101_07.0118.C5
Gene No.	28115	Strand	+
Start	1663	End	23386
Name	OJ991101_07.0118.C5.o1.gs	Method	GENSCAN
Start	1663	End	12214
GI	none	Score	.48
Exons	1663..1798, 1833..2129, 4913..5113, 5341..5448, 5980..8613, 9053..9203, 9309..9555, 9730..10140, 10232..10530, 10607..10865, 10958..11140, 11298..11353, 11454..11585, 11649..11696, 11701..11903, 12054..12214		

Seq. No.	13237	Seq. ID	OJ991101_07.0118.C5
Gene No.	28115	Strand	+
Start	1663	End	23386
Name	OJ991101_07.0118.C5.o1.np	Method	AAT/NAP
Start	5370	End	6425
GI	6721543	Score	150
Exons	5370..5498, 6309..6425		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	13237	Seq. ID	OJ991101_07.0118.C5
Gene No.	28115	Strand	+
Start	1663	End	23386
Name	OJ991101_07.0118.C5.o2.np	Method	AAT/NAP
Start	6438	End	11935
GI	5441880	Score	4767
Exons	6438..7443, 7888..7919, 8178..8493, 9053..9203, 9309..9645, 10232..10530, 10607..10865, 11110..11207, 11454..11585, 11701..11935		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	13237	Seq. ID	OJ991101_07.0118.C5
Gene No.	28115	Strand	+
Start	1663	End	23386
Name	OJ991101_07.0118.C5.o1.gp	Method	AAT/GAP
Start	7042	End	7473
GI	5701669	Score	849

Exons	7042..7473		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	13237	Seq. ID	OJ991101_07.0118.C5
Gene No.	28115	Strand	+
Start	1663	End	23386
Name	OJ991101_07.0118.C5.o2.gp	Method	AAT/GAP
Start	10358	End	10857
GI	LIB3475-007-P1-K1-G8	Score	793
Exons	10358..10530, 10607..10857		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	13237	Seq. ID	OJ991101_07.0118.C5
Gene No.	28115	Strand	+
Start	1663	End	23386
Name	OJ991101_07.0118.C5.o3.np	Method	AAT/NAP
Start	11981	End	23386
GI	6907099	Score	477
Exons	11981..12180, 22066..22379, 22837..23084, 23118..23386		
GI Descrip.	(AP001129) Similar to Arabidopsis thaliana DNA chromosome 4, ESSA I contig fragment No. 6, membrane protein homolog. (Z97341) [Oryza sativa]		

Seq. No.	13237	Seq. ID	OJ991101_07.0118.C5
Gene No.	28115	Strand	+
Start	1663	End	23386
Name	OJ991101_07.0118.C5.o3.gp	Method	AAT/GAP
Start	12039	End	13855
GI	LIB3431-045-P1-N1-A10	Score	813
Exons	12039..12382, 13746..13855		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	13237	Seq. ID	OJ991101_07.0118.C5
Gene No.	28115	Strand	+
Start	1663	End	23386
Name	OJ991101_07.0118.C5.o2.gs	Method	GENSCAN
Start	12441	End	13539
GI	none	Score	.63
Exons	12441..12443, 12626..12784, 12852..12929, 13381..13539		

Seq. No.	13237	Seq. ID	OJ991101_07.0118.C5
Gene No.	28115	Strand	+
Start	1663	End	23386
Name	OJ991101_07.0118.C5.o4.gs	Method	GENSCAN
Start	15664	End	17393
GI	none	Score	.52
Exons	15664..15782, 15854..16310, 17169..17393		

Seq. No.	13237	Seq. ID	OJ991101_07.0118.C5
Gene No.	28115	Strand	+
Start	1663	End	23386
Name	OJ991101_07.0118.C5.o4.gp	Method	AAT/GAP

Start	18272	End	18493
GI	none	Score	212
Exons	18272..18363, 18454..18493		

Seq. No.	13237	Seq. ID	OJ991101_07.0118.C5
Gene No.	28115	Strand	+
Start	1663	End	23386
Name	OJ991101_07.0118.C5.o5.gp	Method	AAT/GAP
Start	18273	End	18535
GI	none	Score	280
Exons	18273..18363, 18454..18535		

Seq. No.	13237	Seq. ID	OJ991101_07.0118.C5
Gene No.	28115	Strand	+
Start	1663	End	23386
Name	OJ991101_07.0118.C5.o5.gs	Method	GENSCAN
Start	18292	End	19037
GI	none	Score	.77
Exons	18292..18363, 18454..18721, 18889..19037		

Seq. No.	13237	Seq. ID	OJ991101_07.0118.C5
Gene No.	28115	Strand	+
Start	1663	End	23386
Name	OJ991101_07.0118.C5.o7.gp	Method	AAT/GAP
Start	21942	End	22293
GI	none	Score	666
Exons	21942..22293		

Seq. No.	13237	Seq. ID	OJ991101_07.0118.C5
Gene No.	28115	Strand	+
Start	1663	End	23386
Name	OJ991101_07.0118.C5.o8.gp	Method	AAT/GAP
Start	22819	End	23252
GI	LIB3477-002-P1-K1-E2	Score	768
Exons	22819..23252		
GI Descrip.	'2245017/emb|CAB10437.1| 1.0e-21 (Z97341) membrane protein homolog [Arabidopsis thaliana]'		

Seq. No.	13237	Seq. ID	OJ991101_07.0118.C5
Gene No.	28116	Strand	-
Start	14065	End	14645
Name	OJ991101_07.0118.C5.o3.gs	Method	GENSCAN
Start	14065	End	14645
GI	none	Score	.46
Exons	14065..14306, 14573..14645		

Seq. No.	13237	Seq. ID	OJ991101_07.0118.C5
Gene No.	28117	Strand	-
Start	19192	End	19429
Name	OJ991101_07.0118.C5.o6.gp	Method	AAT/GAP
Start	19192	End	19429
GI	2797092	Score	419
Exons	19192..19429		

Seq. No.	13237	Seq. ID	OJ991101_07.0118.C5
Gene No.	28118	Strand	-
Start	20614	End	20883

Name	OJ991101_07.0118.C5.o1.tm	Method	TBLASTX:Maize
Start	6999	End	7595
GI	none	Score	93
Exons	6999..7127, 7007..7105, 7161..7460, 7178..7399, 7524..7595		

Seq. No.	13237	Seq. ID	OJ991101_07.0118.C5
Gene No.	28118	Strand	-
Start	20614	End	20883
Name	OJ991101_07.0118.C5.o1.tw	Method	TBLASTX:Wheat
Start	7293	End	7673
GI	none	Score	208
Exons	7293..7487, 7302..7499, 7493..7612, 7497..7673, 7497..7643		

Seq. No.	13237	Seq. ID	OJ991101_07.0118.C5
Gene No.	28118	Strand	-
Start	20614	End	20883
Name	OJ991101_07.0118.C5.o1.ts	Method	TBLASTX:Soybean
Start	18265	End	18642
GI	none	Score	96
Exons	18265..18384, 18448..18642, 18453..18623		

Seq. No.	13237	Seq. ID	OJ991101_07.0118.C5
Gene No.	28118	Strand	-
Start	20614	End	20883
Name	OJ991101_07.0118.C5.o1.tc	Method	TBLASTX:Cress
Start	18466	End	19031
GI	none	Score	233
Exons	18466..18720, 18475..18720, 18558..18734, 18861..19031, 18917..19030		

Seq. No.	13237	Seq. ID	OJ991101_07.0118.C5
Gene No.	28118	Strand	-
Start	20614	End	20883
Name	OJ991101_07.0118.C5.o3.tm	Method	TBLASTX:Maize
Start	18585	End	19055
GI	none	Score	237
Exons	18585..18731, 18586..18720, 18586..18744, 18861..18965, 18911..18949, 18930..19055, 18951..19034		

Seq. No.	13237	Seq. ID	OJ991101_07.0118.C5
Gene No.	28118	Strand	-
Start	20614	End	20883
Name	OJ991101_07.0118.C5.o2.tm	Method	TBLASTX:Maize
Start	20444	End	20773
GI	none	Score	129
Exons	20444..20692, 20520..20690, 20708..20773		

Seq. No.	13237	Seq. ID	OJ991101_07.0118.C5
Gene No.	28118	Strand	-
Start	20614	End	20883
Name	OJ991101_07.0118.C5.o2.tw	Method	TBLASTX:Wheat
Start	20507	End	20692
GI	none	Score	89
Exons	20507..20692, 20508..20690		

Seq. No.	13237	Seq. ID	OJ991101_07.0118.C5
Gene No.	28118	Strand	-

Start	20614	End	20883
Name	OJ991101_07.0118.C5.o6.gs	Method	GENSCAN
Start	20614	End	20883
GI	none	Score	.82
Exons	20614..20720, 20781..20883		

Seq. No.	13238	Seq. ID	OJ991101_07.0118.C6
Gene No.	28119	Strand	-
Start	235	End	13230
Name	OJ991101_07.0118.C6.o2.ts	Method	TBLASTX:Soybean
Start	199	End	582
GI	none	Score	88
Exons	199..348, 235..354, 236..379, 490..582, 490..582		

Seq. No.	13238	Seq. ID	OJ991101_07.0118.C6
Gene No.	28119	Strand	-
Start	235	End	13230
Name	OJ991101_07.0118.C6.o1.tc	Method	TBLASTX:Cress
Start	223	End	6118
GI	none	Score	140
Exons	223..354, 227..379, 490..612, 490..618, 491..613, 756..839, 759..836, 916..1014, 918..1013, 1393..1488, 1574..1657, 1586..1657, 1587..1658, 1800..1889, 1811..1891, 1812..1889, 1950..2060, 1952..2059, 1967..2077, 2154..2240, 2156..2236, 2157..2279, 3144..3293, 3145..3294, 3153..3302, 3166..3294, 3886..3969, 3888..3977, 4492..4608, 4506..4607, 4883..4969, 4895..4969, 5966..6118		

Seq. No.	13238	Seq. ID	OJ991101_07.0118.C6
Gene No.	28119	Strand	-
Start	235	End	13230
Name	OJ991101_07.0118.C6.o4.tm	Method	TBLASTX:Maize
Start	231	End	613
GI	none	Score	183
Exons	231..311, 235..354, 236..379, 489..611, 490..612, 491..613, 491..613		

Seq. No.	13238	Seq. ID	OJ991101_07.0118.C6
Gene No.	28119	Strand	-
Start	235	End	13230
Name	OJ991101_07.0118.C6.o5.tw	Method	TBLASTX:Wheat
Start	232	End	1465
GI	none	Score	155
Exons	232..351, 232..354, 234..356, 236..379, 489..620, 489..608, 490..618, 491..631, 729..839, 759..836, 761..847, 761..847, 916..1014, 918..1013, 1392..1463, 1392..1454, 1393..1464, 1393..1464, 1394..1465		

Seq. No.	13238	Seq. ID	OJ991101_07.0118.C6
Gene No.	28119	Strand	-
Start	235	End	13230
Name	OJ991101_07.0118.C6.o1.gs	Method	GENSCAN
Start	235	End	6331
GI	none	Score	.85
Exons	235..350, 489..615, 762..836, 1396..1482, 1815..1922, 2437..2514, 3156..3293, 4509..4652, 4898..4966, 5969..6331		

Seq. No.	13238	Seq. ID	OJ991101_07.0118.C6
Gene No.	28119	Strand	-
Start	235	End	13230
Name	OJ991101_07.0118.C6.o1.np	Method	AAT/NAP
Start	238	End	7807
GI	2664210	Score	1613
Exons	238..350, 489..615, 762..836, 918..1013, 1396..1482, 1574..1657, 1815..1889, 1991..2059, 2159..2236, 2437..2514, 3153..3293, 3888..3995, 4509..4609, 4888..4966, 5969..6282, 7730..7807		
GI Descrip.	(AJ222644) asparaginyl-tRNA synthetase [Arabidopsis thaliana]		

Seq. No.	13238	Seq. ID	OJ991101_07.0118.C6
Gene No.	28119	Strand	-
Start	235	End	13230
Name	OJ991101_07.0118.C6.o3.tm	Method	TBLASTX:Maize
Start	1431	End	4616
GI	none	Score	46
Exons	1431..1472, 1435..1485, 1435..1488, 1572..1658, 1573..1656, 1574..1657, 1811..1891, 1812..1889, 1952..2059, 1966..2070, 1992..2057, 1993..2058, 2141..2239, 2156..2236, 2164..2238, 2435..2512, 2437..2532, 3141..3293, 3154..3294, 3156..3302, 3163..3300, 3170..3301, 3885..3995, 3886..3996, 3888..3995, 3892..3996, 4506..4616, 4510..4614		

Seq. No.	13238	Seq. ID	OJ991101_07.0118.C6
Gene No.	28119	Strand	-
Start	235	End	13230
Name	OJ991101_07.0118.C6.o3.ts	Method	TBLASTX:Soybean
Start	1571	End	3995
GI	none	Score	40
Exons	1571..1654, 1815..1889, 1839..1889, 1952..2059, 1992..2060, 2154..2237, 2156..2236, 3150..3293, 3151..3294, 3888..3995		

Seq. No.	13238	Seq. ID	OJ991101_07.0118.C6
Gene No.	28119	Strand	-
Start	235	End	13230
Name	OJ991101_07.0118.C6.o1.ts	Method	TBLASTX:Soybean
Start	5329	End	8226
GI	none	Score	65
Exons	5329..5418, 7699..7884, 7727..7864, 7873..8226, 7874..7981		

Seq. No.	13238	Seq. ID	OJ991101_07.0118.C6
Gene No.	28119	Strand	-
Start	235	End	13230
Name	OJ991101_07.0118.C6.o5.tm	Method	TBLASTX:Maize
Start	6727	End	6985
GI	none	Score	86
Exons	6727..6984, 6839..6985		

Seq. No.	13238	Seq. ID	OJ991101_07.0118.C6
Gene No.	28119	Strand	-
Start	235	End	13230
Name	OJ991101_07.0118.C6.o4.tw	Method	TBLASTX:Wheat
Start	7063	End	7425
GI	none	Score	74
Exons	7063..7425, 7087..7230		

Seq. No.	13238	Seq. ID	OJ991101_07.0118.C6
Gene No.	28119	Strand	-
Start	235	End	13230
Name	OJ991101_07.0118.C6.o2.tm	Method	TBLASTX:Maize
Start	7156	End	7626
GI	none	Score	39
Exons	7156..7248, 7255..7626, 7256..7324, 7367..7603, 7402..7611		

Seq. No.	13238	Seq. ID	OJ991101_07.0118.C6
Gene No.	28119	Strand	-
Start	235	End	13230
Name	OJ991101_07.0118.C6.o2.gs	Method	GENSCAN
Start	7612	End	13230
GI	none	Score	.81
Exons	7612..9281, 9471..10130, 10406..11453, 11468..12434, 12527..13230		

Seq. No.	13238	Seq. ID	OJ991101_07.0118.C6
Gene No.	28119	Strand	-
Start	235	End	13230
Name	OJ991101_07.0118.C6.o7.tm	Method	TBLASTX:Maize
Start	7669	End	7830
GI	none	Score	81
Exons	7669..7830, 7681..7818, 7691..7828		

Seq. No.	13238	Seq. ID	OJ991101_07.0118.C6
Gene No.	28119	Strand	-
Start	235	End	13230
Name	OJ991101_07.0118.C6.o6.tw	Method	TBLASTX:Wheat
Start	7714	End	7975
GI	none	Score	95
Exons	7714..7953, 7727..7975		

Seq. No.	13238	Seq. ID	OJ991101_07.0118.C6
Gene No.	28119	Strand	-
Start	235	End	13230
Name	OJ991101_07.0118.C6.o1.tm	Method	TBLASTX:Maize
Start	7831	End	8793
GI	none	Score	207
Exons	7831..8793, 7832..8437, 8459..8779		

Seq. No.	13238	Seq. ID	OJ991101_07.0118.C6
Gene No.	28119	Strand	-
Start	235	End	13230
Name	OJ991101_07.0118.C6.o3.tw	Method	TBLASTX:Wheat
Start	8411	End	8746
GI	none	Score	218
Exons	8411..8746, 8431..8742		

Seq. No.	13238	Seq. ID	OJ991101_07.0118.C6
Gene No.	28119	Strand	-
Start	235	End	13230
Name	OJ991101_07.0118.C6.o6.tm	Method	TBLASTX:Maize
Start	8878	End	9063
GI	none	Score	134
Exons	8878..9063, 8891..9055		

Seq. No.	13238	Seq. ID	OJ991101_07.0118.C6
Gene No.	28119	Strand	-
Start	235	End	13230
Name	OJ991101_07.0118.C6.o2.tw	Method	TBLASTX:Wheat
Start	9070	End	9480
GI	none	Score	166
Exons	9070..9480, 9086..9322, 9202..9480		

Seq. No.	13238	Seq. ID	OJ991101_07.0118.C6
Gene No.	28119	Strand	-
Start	235	End	13230
Name	OJ991101_07.0118.C6.o1.tw	Method	TBLASTX:Wheat
Start	9703	End	10053
GI	none	Score	154
Exons	9703..9927, 9704..9886, 9738..9905, 9907..10053, 9927..9998, 9941..10051		

Seq. No.	13238	Seq. ID	OJ991101_07.0118.C6
Gene No.	28119	Strand	-
Start	235	End	13230
Name	OJ991101_07.0118.C6.o3.np	Method	AAT/NAP
Start	11097	End	13183
GI	1155068	Score	62
Exons	11097..11394, 13128..13183		
GI Descrip.	(X94976) cell wall-plasma membrane linker protein [Brassica napus]		

Seq. No.	13239	Seq. ID	OJ991101_07.0118.C7
Gene No.	28120	Strand	+
Start	250	End	832
Name	OJ991101_07.0118.C7.o1.gs	Method	GENSCAN
Start	250	End	832
GI	none	Score	.63
Exons	250..456, 674..832		

Seq. No.	13239	Seq. ID	OJ991101_07.0118.C7
Gene No.	28121	Strand	+
Start	6177	End	6765
Name	OJ991101_07.0118.C7.o3.gs	Method	GENSCAN
Start	6177	End	6765
GI	none	Score	.44
Exons	6177..6228, 6500..6765		

Seq. No.	13239	Seq. ID	OJ991101_07.0118.C7
Gene No.	28122	Strand	+
Start	8087	End	11061
Name	OJ991101_07.0118.C7.o4.gs	Method	GENSCAN
Start	8087	End	10829
GI	none	Score	.86
Exons	8087..8380, 8919..9026, 9322..9510, 9790..10017, 10093..10317, 10467..10829		

Seq. No.	13239	Seq. ID	OJ991101_07.0118.C7
Gene No.	28122	Strand	+
Start	8087	End	11061
Name	OJ991101_07.0118.C7.o1.gp	Method	AAT/GAP
Start	8947	End	9027

GI	2431153	Score	141
Exons	8947..9027		
GI Descrip.	416730/sp|Q03248|BUP_RAT 3.0e-10 BETA-UREIDOPROPIONASE (BETA-ALANINE SYNTHASE) (N-CARBAMOYL-BETA-ALANINE AMIDOHYDROLASE) >gi_285064_pir__S27881 beta-alanine synthase - rat >gi_203106 (M97662) beta-alanine synthase [Rattus norvegicus]		

Seq. No.	13239	Seq. ID	OJ991101_07.0118.C7
Gene No.	28122	Strand	+
Start	8087	End	11061
Name	OJ991101_07.0118.C7.o2.np	Method	AAT/NAP
Start	9310	End	10805
GI	6288771	Score	1029
Exons	9310..9510, 9790..10017, 10093..10317, 10467..10805		
GI Descrip.	(AF163312) beta-ureidopropionase [Homo sapiens] gi|6635205|dbj|BAA88634.1| (AB013885) beta-ureidopropionase [Homo sapiens]		

Seq. No.	13239	Seq. ID	OJ991101_07.0118.C7
Gene No.	28122	Strand	+
Start	8087	End	11061
Name	OJ991101_07.0118.C7.o2.gp	Method	AAT/GAP
Start	10530	End	11061
GI	uC-osflcyp029g09b1	Score	1022
Exons	10530..11061		
GI Descrip.	'722377 9.0e-30 (U23139) highly similar to beta-ureidopropionase (SP:BUP_RAT) [Caenorhabditis elegans]'		

Seq. No.	13239	Seq. ID	OJ991101_07.0118.C7
Gene No.	28123	Strand	-
Start	2493	End	5170
Name	OJ991101_07.0118.C7.o1.np	Method	AAT/NAP
Start	2123	End	5170
GI	2130141	Score	833
Exons	2123..3610, 3675..3932, 5143..5170		
GI Descrip.	mudrA protein - maize transposon MuDR gi|540581 (M76978) mudrA [Zea mays] gi|595816 (U14597) mudrA gene product [Zea mays]		

Seq. No.	13239	Seq. ID	OJ991101_07.0118.C7
Gene No.	28123	Strand	-
Start	2493	End	5170
Name	OJ991101_07.0118.C7.o2.gs	Method	GENSCAN
Start	2493	End	5070
GI	none	Score	.59
Exons	2493..2908, 2992..3601, 3675..3825, 4078..4391, 4609..5070		

Seq. No.	13239	Seq. ID	OJ991101_07.0118.C7
Gene No.	28124	Strand	-
Start	11263	End	13380
Name	OJ991101_07.0118.C7.o2.tm	Method	TBLASTX:Maize
Start	2646	End	3232
GI	none	Score	79
Exons	2646..2921, 2659..2862, 2935..2988, 2937..2987, 2982..3227, 2987..3232, 3052..3228		

Seq. No.	13239	Seq. ID	OJ991101_07.0118.C7

Gene No.	28124	Strand	-
Start	11263	End	13380
Name	OJ991101_07.0118.C7.o5.tm	Method	TBLASTX:Maize
Start	3236	End	3619
GI	none	Score	146
Exons	3236..3619, 3237..3545		

Seq. No.	13239	Seq. ID	OJ991101_07.0118.C7
Gene No.	28124	Strand	-
Start	11263	End	13380
Name	OJ991101_07.0118.C7.o4.tm	Method	TBLASTX:Maize
Start	8081	End	9872
GI	none	Score	38
Exons	8081..8128, 8144..8215, 8161..8205, 8916..9026, 8918..9028, 8918..9025, 9307..9510, 9309..9512, 9784..9870, 9787..9870, 9789..9872		

Seq. No.	13239	Seq. ID	OJ991101_07.0118.C7
Gene No.	28124	Strand	-
Start	11263	End	13380
Name	OJ991101_07.0118.C7.o3.ts	Method	TBLASTX:Soybean
Start	8114	End	9512
GI	none	Score	76
Exons	8114..8215, 8916..9035, 9309..9512, 9310..9510		

Seq. No.	13239	Seq. ID	OJ991101_07.0118.C7
Gene No.	28124	Strand	-
Start	11263	End	13380
Name	OJ991101_07.0118.C7.o1.tc	Method	TBLASTX:Cress
Start	8123	End	10163
GI	none	Score	91
Exons	8123..8215, 8916..9035, 9309..9512, 9310..9510, 9342..9512, 9784..9978, 9786..10013, 9789..10013, 10092..10163, 10093..10161		

Seq. No.	13239	Seq. ID	OJ991101_07.0118.C7
Gene No.	28124	Strand	-
Start	11263	End	13380
Name	OJ991101_07.0118.C7.o1.ts	Method	TBLASTX:Soybean
Start	9896	End	10760
GI	none	Score	138
Exons	9896..10009, 9897..10016, 9898..9978, 9898..10017, 9902..10003, 10092..10319, 10092..10316, 10093..10323, 10464..10760, 10464..10730, 10496..10759		

Seq. No.	13239	Seq. ID	OJ991101_07.0118.C7
Gene No.	28124	Strand	-
Start	11263	End	13380
Name	OJ991101_07.0118.C7.o1.tm	Method	TBLASTX:Maize
Start	9928	End	10623
GI	none	Score	84
Exons	9928..9978, 9930..9977, 9993..10016, 10080..10322, 10090..10317, 10092..10334, 10093..10323, 10464..10622, 10480..10623, 10496..10621		

Seq. No.	13239	Seq. ID	OJ991101_07.0118.C7
Gene No.	28124	Strand	-
Start	11263	End	13380

Name	OJ991101_07.0118.C7.o1.tw	Method	TBLASTX:Wheat
Start	10270	End	10851
GI	none	Score	71
Exons	10270..10323, 10273..10329, 10284..10334, 10444..10830, 10464..10844, 10465..10851, 10496..10843		

Seq. No.	13239	Seq. ID	OJ991101_07.0118.C7
Gene No.	28124	Strand	-
Start	11263	End	13380
Name	OJ991101_07.0118.C7.o3.tc	Method	TBLASTX:Cress
Start	10557	End	10842
GI	none	Score	169
Exons	10557..10649, 10559..10648, 10653..10826, 10655..10837, 10678..10842		

Seq. No.	13239	Seq. ID	OJ991101_07.0118.C7
Gene No.	28124	Strand	-
Start	11263	End	13380
Name	OJ991101_07.0118.C7.o5.gs	Method	GENSCAN
Start	11263	End	13380
GI	none	Score	.74
Exons	11263..11352, 11547..11639, 11805..11945, 12015..12092, 12199..12300, 12370..12426, 12543..12671, 12943..13083, 13177..13380		

Seq. No.	13239	Seq. ID	OJ991101_07.0118.C7
Gene No.	28124	Strand	-
Start	11263	End	13380
Name	OJ991101_07.0118.C7.o3.np	Method	AAT/NAP
Start	11397	End	13090
GI	2944178	Score	734
Exons	11397..11444, 11547..11639, 11805..11945, 12015..12092, 12199..12300, 12370..12426, 12543..12671, 12783..12854, 12943..13090		
GI Descrip.	(AF007778) trehalose-6-phosphate phosphatase [Arabidopsis thaliana]		

Seq. No.	13239	Seq. ID	OJ991101_07.0118.C7
Gene No.	28124	Strand	-
Start	11263	End	13380
Name	OJ991101_07.0118.C7.o2.tc	Method	TBLASTX:Cress
Start	11409	End	13099
GI	none	Score	153
Exons	11409..11447, 11544..11618, 11802..11948, 11803..11946, 12009..12095, 12199..12288, 12200..12301, 12367..12426, 12594..12671, 12595..12672, 12766..12861, 12777..12875, 12940..13056, 12949..13089, 12950..13099		

Seq. No.	13239	Seq. ID	OJ991101_07.0118.C7
Gene No.	28124	Strand	-
Start	11263	End	13380
Name	OJ991101_07.0118.C7.o3.tw	Method	TBLASTX:Wheat
Start	11409	End	12080
GI	none	Score	57
Exons	11409..11447, 11521..11652, 11544..11645, 11802..11921, 11802..11945, 11803..11946, 11900..11947, 12012..12080		

Seq. No.	13239	Seq. ID	OJ991101_07.0118.C7
Gene No.	28124	Strand	-
Start	11263	End	13380
Name	OJ991101_07.0118.C7.o3.tm	Method	TBLASTX:Maize
Start	11518	End	12641
GI	none	Score	72
Exons	11518..11628, 11544..11618, 11802..11945, 11802..11945, 11803..12021, 12009..12095, 12192..12269, 12197..12301, 12199..12300, 12591..12641		

Seq. No.	13239	Seq. ID	OJ991101_07.0118.C7
Gene No.	28124	Strand	-
Start	11263	End	13380
Name	OJ991101_07.0118.C7.o2.ts	Method	TBLASTX:Soybean
Start	11806	End	12252
GI	none	Score	127
Exons	11806..11946, 11814..11948, 12009..12101, 12013..12093, 12199..12252, 12200..12250		

Seq. No.	13239	Seq. ID	OJ991101_07.0118.C7
Gene No.	28124	Strand	-
Start	11263	End	13380
Name	OJ991101_07.0118.C7.o4.ts	Method	TBLASTX:Soybean
Start	12595	End	13080
GI	none	Score	70
Exons	12595..12663, 12603..12671, 12777..12854, 12781..12843, 12940..13080, 12947..13078		

Seq. No.	13239	Seq. ID	OJ991101_07.0118.C7
Gene No.	28124	Strand	-
Start	11263	End	13380
Name	OJ991101_07.0118.C7.o2.tw	Method	TBLASTX:Wheat
Start	12633	End	13081
GI	none	Score	59
Exons	12633..12671, 12766..12855, 12783..12854, 12940..13056, 12946..13080, 12953..13081		

Seq. No.	13239	Seq. ID	OJ991101_07.0118.C7
Gene No.	28124	Strand	-
Start	11263	End	13380
Name	OJ991101_07.0118.C7.o6.tm	Method	TBLASTX:Maize
Start	12642	End	13099
GI	none	Score	75
Exons	12642..12671, 12765..12857, 12781..12855, 12940..13083, 12947..13099		

Seq. No.	13240	Seq. ID	OJ991101_07.0118.C8
Gene No.	28125	Strand	+
Start	697	End	1092
Name	OJ991101_07.0118.C8.o1.gs	Method	GENSCAN
Start	697	End	1092
GI	none	Score	.98
Exons	697..1092		

Seq. No.	13240	Seq. ID	OJ991101_07.0118.C8
Gene No.	28126	Strand	+
Start	13260	End	15604

Name	OJ991101_07.0118.C8.o2.np	Method	AAT/NAP
Start	13260	End	15604
GI	399046	Score	164
Exons	13260..13341, 14515..14627, 15540..15604		
GI Descrip.	ADENINE PHOSPHORIBOSYLTRANSFERASE 1 (APRT) gi|99657|pir||S20867 adenine phosphoribosyltransferase (EC 2.4.2.7) - Arabidopsis thaliana gi|16164|emb|CAA41497| (X58640) adenine phosphoribosyltransferase [Arabidopsis thaliana] gi|433050 (L19637) adenine phosphoribosyltransferase [Arabidopsis thaliana] gi|3935182 (AC004557) F17L21.25 [Arabidopsis thaliana]		

Seq. No.	13240	Seq. ID	OJ991101_07.0118.C8
Gene No.	28127	Strand	-
Start	6713	End	14611
Name	OJ991101_07.0118.C8.o1.np	Method	AAT/NAP
Start	6713	End	10182
GI	6689616	Score	197
Exons	6713..6732, 8521..9014, 10120..10182		
GI Descrip.	(AJ012301) proline-rich protein [Zea mays]		

Seq. No.	13240	Seq. ID	OJ991101_07.0118.C8
Gene No.	28127	Strand	-
Start	6713	End	14611
Name	OJ991101_07.0118.C8.o3.gs	Method	GENSCAN
Start	8593	End	14611
GI	none	Score	.63
Exons	8593..9011, 9274..9411, 12022..12162, 14545..14611		

Seq. No.	13240	Seq. ID	OJ991101_07.0118.C8
Gene No.	28127	Strand	-
Start	6713	End	14611
Name	OJ991101_07.0118.C8.o1.tm	Method	TBLASTX:Maize
Start	8726	End	9013
GI	none	Score	101
Exons	8726..8866, 8727..8864, 8855..8956, 8862..8924, 8867..8947, 8980..9012, 8981..9013		

Seq. No.	13240	Seq. ID	OJ991101_07.0118.C8
Gene No.	28127	Strand	-
Start	6713	End	14611
Name	OJ991101_07.0118.C8.o1.gp	Method	AAT/GAP
Start	14142	End	14230
GI	LIB3477-003-P1-K1-E9	Score	138
Exons	14142..14230		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	13241	Seq. ID	OJ991011_06.0119.C1
Gene No.	28128	Strand	+
Start	1356	End	7466
Name	OJ991011_06.0119.C1.o1.gs	Method	GENSCAN
Start	1356	End	7466
GI	none	Score	.93
Exons	1356..1778, 1785..4288, 4385..7466		

Seq. No.	13241	Seq. ID	OJ991011_06.0119.C1

Gene No.	28128	Strand	+
Start	1356	End	7466
Name	OJ991011_06.0119.C1.o1.np	Method	AAT/NAP
Start	1356	End	7430
GI	5922631	Score	6714
Exons	1356..1480, 1739..1983, 2233..2435, 2481..3052, 3095..3246, 3373..4296, 4903..7430		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	13241	Seq. ID	OJ991011_06.0119.C1
Gene No.	28129	Strand	-
Start	1159	End	1620
Name	OJ991011_06.0119.C1.o1.gp	Method	AAT/GAP
Start	1159	End	1620
GI	uC-osflcyp177g01a1	Score	251
Exons	1159..1314, 1591..1620		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	13241	Seq. ID	OJ991011_06.0119.C1
Gene No.	28130	Strand	-
Start	7782	End	14269
Name	OJ991011_06.0119.C1.o7.tw	Method	TBLASTX:Wheat
Start	2657	End	3059
GI	none	Score	293
Exons	2657..2926, 2658..3059		

Seq. No.	13241	Seq. ID	OJ991011_06.0119.C1
Gene No.	28130	Strand	-
Start	7782	End	14269
Name	OJ991011_06.0119.C1.o6.tw	Method	TBLASTX:Wheat
Start	3636	End	4093
GI	none	Score	149
Exons	3636..3812, 3857..4093, 3861..4091		

Seq. No.	13241	Seq. ID	OJ991011_06.0119.C1
Gene No.	28130	Strand	-
Start	7782	End	14269
Name	OJ991011_06.0119.C1.o7.tm	Method	TBLASTX:Maize
Start	3944	End	4091
GI	none	Score	183
Exons	3944..4090, 3945..4091		

Seq. No.	13241	Seq. ID	OJ991011_06.0119.C1
Gene No.	28130	Strand	-
Start	7782	End	14269
Name	OJ991011_06.0119.C1.o1.tw	Method	TBLASTX:Wheat
Start	4313	End	4769
GI	none	Score	497
Exons	4313..4768, 4314..4769		

Seq. No.	13241	Seq. ID	OJ991011_06.0119.C1
Gene No.	28130	Strand	-
Start	7782	End	14269
Name	OJ991011_06.0119.C1.o3.ts	Method	TBLASTX:Soybean
Start	4353	End	4718
GI	none	Score	138
Exons	4353..4577, 4584..4718		

Seq. No.	13241	Seq. ID	OJ991011_06.0119.C1
Gene No.	28130	Strand	-
Start	7782	End	14269
Name	OJ991011_06.0119.C1.o2.tm	Method	TBLASTX:Maize
Start	4443	End	4799
GI	none	Score	375
Exons	4443..4799, 4484..4789		

Seq. No.	13241	Seq. ID	OJ991011_06.0119.C1
Gene No.	28130	Strand	-
Start	7782	End	14269
Name	OJ991011_06.0119.C1.o3.tm	Method	TBLASTX:Maize
Start	4827	End	5210
GI	none	Score	335
Exons	4827..5210, 4931..5209		

Seq. No.	13241	Seq. ID	OJ991011_06.0119.C1
Gene No.	28130	Strand	-
Start	7782	End	14269
Name	OJ991011_06.0119.C1.o2.tw	Method	TBLASTX:Wheat
Start	4884	End	5303
GI	none	Score	448
Exons	4884..5303, 4928..5302		

Seq. No.	13241	Seq. ID	OJ991011_06.0119.C1
Gene No.	28130	Strand	-
Start	7782	End	14269
Name	OJ991011_06.0119.C1.o1.ts	Method	TBLASTX:Soybean
Start	4962	End	5363
GI	none	Score	314
Exons	4962..5363, 4979..5122, 5159..5329		

Seq. No.	13241	Seq. ID	OJ991011_06.0119.C1
Gene No.	28130	Strand	-
Start	7782	End	14269
Name	OJ991011_06.0119.C1.o8.tw	Method	TBLASTX:Wheat
Start	5312	End	5598
GI	none	Score	271
Exons	5312..5389, 5313..5594, 5322..5597, 5500..5598		

Seq. No.	13241	Seq. ID	OJ991011_06.0119.C1
Gene No.	28130	Strand	-
Start	7782	End	14269
Name	OJ991011_06.0119.C1.o2.ts	Method	TBLASTX:Soybean
Start	5589	End	5977
GI	none	Score	86
Exons	5589..5693, 5597..5977, 5733..5975		

Seq. No.	13241	Seq. ID	OJ991011_06.0119.C1

Gene No.	28130	Strand	-
Start	7782	End	14269
Name	OJ991011_06.0119.C1.o4.tw	Method	TBLASTX:Wheat
Start	5598	End	6020
GI	none	Score	414
Exons	5598..6020, 5601..5756, 5603..6010		

Seq. No.	13241	Seq. ID	OJ991011_06.0119.C1
Gene No.	28130	Strand	-
Start	7782	End	14269
Name	OJ991011_06.0119.C1.o5.tm	Method	TBLASTX:Maize
Start	5850	End	6104
GI	none	Score	193
Exons	5850..6104, 5858..5965		

Seq. No.	13241	Seq. ID	OJ991011_06.0119.C1
Gene No.	28130	Strand	-
Start	7782	End	14269
Name	OJ991011_06.0119.C1.o10.tw	Method	TBLASTX:Wheat
Start	6036	End	6335
GI	none	Score	130
Exons	6036..6170, 6195..6335		

Seq. No.	13241	Seq. ID	OJ991011_06.0119.C1
Gene No.	28130	Strand	-
Start	7782	End	14269
Name	OJ991011_06.0119.C1.o1.tm	Method	TBLASTX:Maize
Start	6332	End	6695
GI	none	Score	445
Exons	6332..6643, 6333..6656, 6353..6676, 6647..6694, 6648..6695		

Seq. No.	13241	Seq. ID	OJ991011_06.0119.C1
Gene No.	28130	Strand	-
Start	7782	End	14269
Name	OJ991011_06.0119.C1.o3.tw	Method	TBLASTX:Wheat
Start	6338	End	6725
GI	none	Score	421
Exons	6338..6649, 6339..6725, 6534..6725		

Seq. No.	13241	Seq. ID	OJ991011_06.0119.C1
Gene No.	28130	Strand	-
Start	7782	End	14269
Name	OJ991011_06.0119.C1.o6.tm	Method	TBLASTX:Maize
Start	6797	End	7070
GI	none	Score	95
Exons	6797..6904, 6798..6896, 6887..6961, 6891..6974, 6984..7070		

Seq. No.	13241	Seq. ID	OJ991011_06.0119.C1
Gene No.	28130	Strand	-
Start	7782	End	14269
Name	OJ991011_06.0119.C1.o5.tw	Method	TBLASTX:Wheat
Start	6840	End	7454
GI	none	Score	273
Exons	6840..7118, 6860..6949, 7001..7102, 7173..7331, 7317..7454		

Seq. No.	13241	Seq. ID	OJ991011_06.0119.C1
Gene No.	28130	Strand	-

Start	7782	End	14269
Name	OJ991011_06.0119.C1.o4.tm	Method	TBLASTX:Maize
Start	7182	End	7415
GI	none	Score	148
Exons	7182..7334, 7274..7333, 7313..7414, 7314..7415		

Seq. No.	13241	Seq. ID	OJ991011_06.0119.C1
Gene No.	28130	Strand	-
Start	7782	End	14269
Name	OJ991011_06.0119.C1.o2.gs	Method	GENSCAN
Start	7782	End	14269
GI	none	Score	.68
Exons	7782..8230, 8303..8407, 8475..8664, 8740..8927, 9002..9749, 9836..10170, 10591..10759, 12877..12913, 13653..13760, 14019..14269		

Seq. No.	13241	Seq. ID	OJ991011_06.0119.C1
Gene No.	28130	Strand	-
Start	7782	End	14269
Name	OJ991011_06.0119.C1.o2.np	Method	AAT/NAP
Start	7785	End	10720
GI	6691716	Score	2389
Exons	7785..8230, 8303..8419, 8565..8664, 8740..8927, 9002..9174, 9269..9378, 9460..9652, 9850..10720		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	13241	Seq. ID	OJ991011_06.0119.C1
Gene No.	28130	Strand	-
Start	7782	End	14269
Name	OJ991011_06.0119.C1.o9.tw	Method	TBLASTX:Wheat
Start	10310	End	10600
GI	none	Score	56
Exons	10310..10600, 10350..10418		

Seq. No.	13241	Seq. ID	OJ991011_06.0119.C1
Gene No.	28130	Strand	-
Start	7782	End	14269
Name	OJ991011_06.0119.C1.o2.gp	Method	AAT/GAP
Start	12032	End	12179
GI	uC-osflcyp177g01a1	Score	247
Exons	12032..12179		
GI Descrip.	'4884864/gb|AAD31846.1|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	13242	Seq. ID	OJ991011_06.0119.C2
Gene No.	28131	Strand	+
Start	697	End	15251
Name	OJ991011_06.0119.C2.o4.np	Method	AAT/NAP
Start	697	End	10445
GI	6721512	Score	47
Exons	697..737, 10233..10445		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	13242	Seq. ID	OJ991011_06.0119.C2
Gene No.	28131	Strand	+

Start	697	End	15251
Name	OJ991011_06.0119.C2.o2.np	Method	AAT/NAP
Start	4941	End	5117
GI	6907084	Score	97
Exons	4941..5117		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	13242	Seq. ID	OJ991011_06.0119.C2
Gene No.	28131	Strand	+
Start	697	End	15251
Name	OJ991011_06.0119.C2.o2.gs	Method	GENSCAN
Start	5516	End	7696
GI	none	Score	.79
Exons	5516..7696		

Seq. No.	13242	Seq. ID	OJ991011_06.0119.C2
Gene No.	28131	Strand	+
Start	697	End	15251
Name	OJ991011_06.0119.C2.o3.np	Method	AAT/NAP
Start	5516	End	8396
GI	6016874	Score	2160
Exons	5516..5594, 5678..5815, 5880..6112, 6503..6662, 7056..7235, 7353..7709, 8159..8396		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	13242	Seq. ID	OJ991011_06.0119.C2
Gene No.	28131	Strand	+
Start	697	End	15251
Name	OJ991011_06.0119.C2.o1.gp	Method	AAT/GAP
Start	6205	End	6713
GI	uC-osf1cyp110c07b1	Score	958
Exons	6205..6713		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	13242	Seq. ID	OJ991011_06.0119.C2
Gene No.	28131	Strand	+
Start	697	End	15251
Name	OJ991011_06.0119.C2.o3.gs	Method	GENSCAN
Start	9078	End	14589
GI	none	Score	.43
Exons	9078..9086, 9095..9211, 9246..9303, 10325..10445, 12013..12220, 13478..13589, 13847..13923, 13945..14589		

Seq. No.	13242	Seq. ID	OJ991011_06.0119.C2
Gene No.	28131	Strand	+
Start	697	End	15251
Name	OJ991011_06.0119.C2.o5.np	Method	AAT/NAP
Start	13879	End	15251
GI	3386534	Score	944
Exons	13879..14953, 15042..15251		
GI Descrip.	(AF078934) mariner transposase [Glycine max]		

Seq. No.	13242	Seq. ID	OJ991011_06.0119.C2

Gene No.	28132	Strand	+
Start	17772	End	20414
Name	OJ991011_06.0119.C2.o5.gs	Method	GENSCAN
Start	17772	End	20414
GI	none	Score	.52
Exons	17772..17774, 18077..18160, 19200..19278, 20284..20414		

Seq. No.	13242	Seq. ID	OJ991011_06.0119.C2
Gene No.	28133	Strand	+
Start	20603	End	22261
Name	OJ991011_06.0119.C2.o6.np	Method	AAT/NAP
Start	20603	End	22261
GI	3080416	Score	121
Exons	20603..20782, 21981..22058, 22199..22261		
GI Descrip.	(AL022604) UDP-galactose transporter-like protein [Arabidopsis thaliana]		

Seq. No.	13242	Seq. ID	OJ991011_06.0119.C2
Gene No.	28134	Strand	-
Start	827	End	4094
Name	OJ991011_06.0119.C2.o1.gs	Method	GENSCAN
Start	827	End	4094
GI	none	Score	.8
Exons	827..950, 1173..1371, 1479..1506, 1607..1696, 2458..3570, 3618..4094		

Seq. No.	13242	Seq. ID	OJ991011_06.0119.C2
Gene No.	28134	Strand	-
Start	827	End	4094
Name	OJ991011_06.0119.C2.o1.np	Method	AAT/NAP
Start	839	End	3971
GI	6562263	Score	1866
Exons	839..950, 1179..1389, 1551..1636, 2488..2743, 2828..3971		
GI Descrip.	(AL132980) crooked neck-like protein [Arabidopsis thaliana]		

Seq. No.	13242	Seq. ID	OJ991011_06.0119.C2
Gene No.	28135	Strand	-
Start	15380	End	17235
Name	OJ991011_06.0119.C2.o4.gs	Method	GENSCAN
Start	15380	End	17235
GI	none	Score	.43
Exons	15380..15862, 16585..16786, 17036..17235		

Seq. No.	13242	Seq. ID	OJ991011_06.0119.C2
Gene No.	28136	Strand	-
Start	21597	End	22276
Name	OJ991011_06.0119.C2.o1.tm	Method	TBLASTX:Maize
Start	846	End	3831
GI	none	Score	99
Exons	846..923, 855..923, 917..943, 1172..1372, 1238..1372, 1249..1380, 1473..1583, 1480..1599, 1488..1583, 1563..1697, 1582..1698, 1583..1699, 1583..1699, 2443..2871, 2453..2830, 2458..2871, 2754..2885, 2779..2865, 2866..3069, 2872..2898, 2898..2993, 2899..2994, 2899..2994, 2900..2995, 3340..3462, 3700..3831		

Seq. No.	13242	Seq. ID	OJ991011_06.0119.C2

Gene No.	28136	Strand	-
Start	21597	End	22276
Name	OJ991011_06.0119.C2.o1.ts	Method	TBLASTX:Soybean
Start	1583	End	3831
GI	none	Score	80
Exons	1583..1699, 1583..1693, 2443..3153, 2453..2989, 2458..3150, 2527..2571, 2596..2676, 3035..3154, 3376..3462, 3472..3573, 3697..3774, 3700..3831, 3700..3831		

Seq. No.	13242	Seq. ID	OJ991011_06.0119.C2
Gene No.	28136	Strand	-
Start	21597	End	22276
Name	OJ991011_06.0119.C2.o1.tc	Method	TBLASTX:Cress
Start	2554	End	2913
GI	none	Score	218
Exons	2554..2808, 2555..2785, 2563..2793, 2782..2913, 2801..2911		

Seq. No.	13242	Seq. ID	OJ991011_06.0119.C2
Gene No.	28136	Strand	-
Start	21597	End	22276
Name	OJ991011_06.0119.C2.o2.tc	Method	TBLASTX:Cress
Start	3748	End	4035
GI	none	Score	41
Exons	3748..3906, 3749..3790, 3866..3901, 3907..4035, 3912..4025		

Seq. No.	13242	Seq. ID	OJ991011_06.0119.C2
Gene No.	28136	Strand	-
Start	21597	End	22276
Name	OJ991011_06.0119.C2.o2.ts	Method	TBLASTX:Soybean
Start	3832	End	4044
GI	none	Score	60
Exons	3832..3906, 3833..3898, 3907..4032, 3909..4025, 3910..4044		

Seq. No.	13242	Seq. ID	OJ991011_06.0119.C2
Gene No.	28136	Strand	-
Start	21597	End	22276
Name	OJ991011_06.0119.C2.o8.tm	Method	TBLASTX:Maize
Start	3832	End	4041
GI	none	Score	64
Exons	3832..3906, 3833..3901, 3909..4025, 3910..4035, 3910..4041		

Seq. No.	13242	Seq. ID	OJ991011_06.0119.C2
Gene No.	28136	Strand	-
Start	21597	End	22276
Name	OJ991011_06.0119.C2.o3.tm	Method	TBLASTX:Maize
Start	5864	End	6310
GI	none	Score	69
Exons	5864..5950, 5936..6214, 5959..6144, 6215..6277, 6272..6310		

Seq. No.	13242	Seq. ID	OJ991011_06.0119.C2
Gene No.	28136	Strand	-
Start	21597	End	22276
Name	OJ991011_06.0119.C2.o7.tm	Method	TBLASTX:Maize
Start	6404	End	6718
GI	none	Score	65
Exons	6404..6478, 6491..6718, 6499..6717		

Seq. No.	13242	Seq. ID	OJ991011_06.0119.C2
Gene No.	28136	Strand	-
Start	21597	End	22276
Name	OJ991011_06.0119.C2.o9.tm	Method	TBLASTX:Maize
Start	6923	End	7275
GI	none	Score	240
Exons	6923..7204, 6934..7275		

Seq. No.	13242	Seq. ID	OJ991011_06.0119.C2
Gene No.	28136	Strand	-
Start	21597	End	22276
Name	OJ991011_06.0119.C2.o5.tm	Method	TBLASTX:Maize
Start	7387	End	7630
GI	none	Score	282
Exons	7387..7545, 7397..7630		

Seq. No.	13242	Seq. ID	OJ991011_06.0119.C2
Gene No.	28136	Strand	-
Start	21597	End	22276
Name	OJ991011_06.0119.C2.o4.tm	Method	TBLASTX:Maize
Start	13858	End	14192
GI	none	Score	305
Exons	13858..14181, 13872..14192, 13885..14190		

Seq. No.	13242	Seq. ID	OJ991011_06.0119.C2
Gene No.	28136	Strand	-
Start	21597	End	22276
Name	OJ991011_06.0119.C2.o1.tw	Method	TBLASTX:Wheat
Start	14663	End	14920
GI	none	Score	205
Exons	14663..14920, 14664..14882		

Seq. No.	13242	Seq. ID	OJ991011_06.0119.C2
Gene No.	28136	Strand	-
Start	21597	End	22276
Name	OJ991011_06.0119.C2.o4.ts	Method	TBLASTX:Soybean
Start	16994	End	18441
GI	none	Score	79
Exons	16994..17041, 16995..17045, 18026..18163, 18049..18162, 18285..18440, 18294..18437, 18310..18441		

Seq. No.	13242	Seq. ID	OJ991011_06.0119.C2
Gene No.	28136	Strand	-
Start	21597	End	22276
Name	OJ991011_06.0119.C2.o3.tc	Method	TBLASTX:Cress
Start	18049	End	18508
GI	none	Score	130
Exons	18049..18162, 18074..18163, 18325..18501, 18339..18503, 18339..18506, 18407..18508		

Seq. No.	13242	Seq. ID	OJ991011_06.0119.C2
Gene No.	28136	Strand	-
Start	21597	End	22276
Name	OJ991011_06.0119.C2.o6.tm	Method	TBLASTX:Maize
Start	18342	End	20347
GI	none	Score	198
Exons	18342..18500, 18342..18530, 18343..18531, 19192..19281,		

19193..19315, 19197..19280, 20238..20345, 20238..20342,
20240..20347, 20240..20344

Seq. No.	13242	Seq. ID	OJ991011_06.0119.C2
Gene No.	28136	Strand	-
Start	21597	End	22276
Name	OJ991011_06.0119.C2.o2.tm	Method	TBLASTX:Maize
Start	20347	End	22061
GI	none	Score	120
Exons	20347..20421, 20348..20434, 20349..20435, 20593..20784, 20597..20785, 21954..22061, 21980..22051		

Seq. No.	13242	Seq. ID	OJ991011_06.0119.C2
Gene No.	28136	Strand	-
Start	21597	End	22276
Name	OJ991011_06.0119.C2.o3.ts	Method	TBLASTX:Soybean
Start	20657	End	22276
GI	none	Score	90
Exons	20657..20773, 20658..20774, 20659..20784, 20660..20785, 21978..22061, 22193..22276, 22195..22275		

Seq. No.	13242	Seq. ID	OJ991011_06.0119.C2
Gene No.	28136	Strand	-
Start	21597	End	22276
Name	OJ991011_06.0119.C2.o6.gs	Method	GENSCAN
Start	21597	End	22260
GI	none	Score	.52
Exons	21597..21768, 22172..22260		

Seq. No.	13243	Seq. ID	OJ991011_06.0119.C3
Gene No.	28137	Strand	+
Start	878	End	2156
Name	OJ991011_06.0119.C3.o1.gs	Method	GENSCAN
Start	878	End	2156
GI	none	Score	.54
Exons	878..934, 1459..1626, 2031..2156		

Seq. No.	13243	Seq. ID	OJ991011_06.0119.C3
Gene No.	28138	Strand	+
Start	3122	End	3727
Name	OJ991011_06.0119.C3.o1.gp	Method	AAT/GAP
Start	3122	End	3727
GI	none	Score	1177
Exons	3122..3727		

Seq. No.	13243	Seq. ID	OJ991011_06.0119.C3
Gene No.	28138	Strand	+
Start	3122	End	3727
Name	OJ991011_06.0119.C3.o1.np	Method	AAT/NAP
Start	3212	End	3471
GI	6143881	Score	146
Exons	3212..3471		
GI Descrip.	(AC010927) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13243	Seq. ID	OJ991011_06.0119.C3
Gene No.	28139	Strand	+
Start	9669	End	14757

Name	OJ991011_06.0119.C3.o3.gs	Method	GENSCAN
Start	9669	End	14757
GI	none	Score	.68
Exons	9669..9809, 11548..11631, 11692..11766, 12421..12500, 12819..13022, 14163..14528, 14568..14757		

Seq. No.	13243	Seq. ID	OJ991011_06.0119.C3
Gene No.	28139	Strand	+
Start	9669	End	14757
Name	OJ991011_06.0119.C3.o3.np	Method	AAT/NAP
Start	12707	End	14268
GI	4895224	Score	42
Exons	12707..12729, 14089..14268		
GI Descrip.	(AC007660) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	13243	Seq. ID	OJ991011_06.0119.C3
Gene No.	28139	Strand	+
Start	9669	End	14757
Name	OJ991011_06.0119.C3.o4.np	Method	AAT/NAP
Start	14089	End	14540
GI	6069646	Score	173
Exons	14089..14540		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	13243	Seq. ID	OJ991011_06.0119.C3
Gene No.	28140	Strand	+
Start	17026	End	17592
Name	OJ991011_06.0119.C3.o2.gp	Method	AAT/GAP
Start	17026	End	17592
GI	none	Score	1082
Exons	17026..17592		

Seq. No.	13243	Seq. ID	OJ991011_06.0119.C3
Gene No.	28141	Strand	+
Start	20795	End	24887
Name	OJ991011_06.0119.C3.o5.gs	Method	GENSCAN
Start	20795	End	24887
GI	none	Score	.48
Exons	20795..20843, 22094..22411, 22868..23026, 24405..24610, 24687..24887		

Seq. No.	13243	Seq. ID	OJ991011_06.0119.C3
Gene No.	28142	Strand	-
Start	17347	End	19233
Name	OJ991011_06.0119.C3.o4.gs	Method	GENSCAN
Start	17347	End	19233
GI	none	Score	1
Exons	17347..19233		

Seq. No.	13243	Seq. ID	OJ991011_06.0119.C3
Gene No.	28142	Strand	-
Start	17347	End	19233

Name	OJ991011_06.0119.C3.o5.np	Method	AAT/NAP
Start	17350	End	19233
GI	6692098	Score	1394
Exons	17350..19233		
GI Descrip.	(AC007764) F22C12.10 [Arabidopsis thaliana]		

Seq. No.	13243	Seq. ID	OJ991011_06.0119.C3
Gene No.	28142	Strand	-
Start	17347	End	19233
Name	OJ991011_06.0119.C3.o3.gp	Method	AAT/GAP
Start	17943	End	18908
GI	42496_1.R1084	Score	1868
Exons	17943..18908		
GI Descrip.	'4586107/emb|CAB40943.1| 6.0e-62 (AL049638) putative disease resistance protein [Arabidopsis thaliana]'		

Seq. No.	13243	Seq. ID	OJ991011_06.0119.C3
Gene No.	28143	Strand	-
Start	23635	End	30337
Name	OJ991011_06.0119.C3.o2.tc	Method	TBLASTX:Cress
Start	3306	End	3468
GI	none	Score	213
Exons	3306..3458, 3307..3468		

Seq. No.	13243	Seq. ID	OJ991011_06.0119.C3
Gene No.	28143	Strand	-
Start	23635	End	30337
Name	OJ991011_06.0119.C3.o2.tm	Method	TBLASTX:Maize
Start	3306	End	3477
GI	none	Score	292
Exons	3306..3473, 3307..3477, 3370..3474		

Seq. No.	13243	Seq. ID	OJ991011_06.0119.C3
Gene No.	28143	Strand	-
Start	23635	End	30337
Name	OJ991011_06.0119.C3.o2.ts	Method	TBLASTX:Soybean
Start	3306	End	3459
GI	none	Score	247
Exons	3306..3455, 3307..3459		

Seq. No.	13243	Seq. ID	OJ991011_06.0119.C3
Gene No.	28143	Strand	-
Start	23635	End	30337
Name	OJ991011_06.0119.C3.o3.tm	Method	TBLASTX:Maize
Start	14096	End	14514
GI	none	Score	48
Exons	14096..14128, 14134..14514		

Seq. No.	13243	Seq. ID	OJ991011_06.0119.C3
Gene No.	28143	Strand	-
Start	23635	End	30337
Name	OJ991011_06.0119.C3.o1.ts	Method	TBLASTX:Soybean
Start	17413	End	18540
GI	none	Score	69
Exons	17413..17478, 17414..17467, 17593..17691, 17600..17692, 17648..17692, 17665..17874, 17665..17949, 17725..17949, 17726..17944, 17731..17949, 17731..18243, 17732..17863,		

17737..18174, 17738..18244, 17744..17950, 17786..17875,
17787..17879, 17800..18324, 17806..18024, 17812..17982,
17813..18022, 17816..18319, 17824..17874, 17875..18399,
17876..18394, 17887..18099, 17888..18082, 17888..18100,
17896..17934, 17950..18474, 17959..18174, 17960..18172,
17963..18469, 17963..18175, 17973..18026, 17974..18024,
18031..18489, 18034..18243, 18035..18481, 18038..18250,
18100..18489, 18101..18478, 18112..18324, 18122..18325,
18124..18174, 18187..18399, 18188..18382, 18199..18237,
18260..18388, 18272..18475, 18280..18495, 18280..18474,
18306..18476, 18307..18477, 18337..18540, 18344..18496,
18400..18531, 18413..18478

Seq. No.	13243	Seq. ID	OJ991011_06.0119.C3
Gene No.	28143	Strand	-
Start	23635	End	30337
Name	OJ991011_06.0119.C3.o1.tc	Method	TBLASTX:Cress
Start	17625	End	18540
GI	none	Score	40

Exons 17625..17678, 17626..17652, 17647..17691, 17665..18195,
17665..17988, 17688..17906, 17715..17942, 17720..17941,
17725..17949, 17731..17949, 17732..17959, 17732..17896,
17737..18243, 17737..18063, 17741..18106, 17741..17920,
17744..18256, 17747..17971, 17753..17800, 17800..18363,
17812..18024, 17813..18007, 17813..18328, 17875..18414,
17876..18415, 17885..18085, 17887..18105, 17888..18106,
17950..18504, 17959..18174, 17969..18181, 17969..18175,
17972..18478, 18037..18243, 18038..18478, 18038..18220,
18112..18324, 18125..18307, 18187..18399, 18188..18382,
18275..18457, 18280..18474, 18337..18540, 18350..18481,
18400..18531, 18413..18496

Seq. No.	13243	Seq. ID	OJ991011_06.0119.C3
Gene No.	28143	Strand	-
Start	23635	End	30337
Name	OJ991011_06.0119.C3.o1.tm	Method	TBLASTX:Maize
Start	17665	End	18739
GI	none	Score	363

Exons 17665..18195, 17735..18253, 17737..18243, 17738..18115,
17738..17971, 17747..18046, 17797..18339, 17813..18340,
17872..18414, 17873..18403, 17947..18558, 17948..18559,
18639..18677, 18701..18739

Seq. No.	13243	Seq. ID	OJ991011_06.0119.C3
Gene No.	28143	Strand	-
Start	23635	End	30337
Name	OJ991011_06.0119.C3.o7.np	Method	AAT/NAP
Start	23635	End	27185
GI	3193284	Score	264

Exons 23635..23683, 26454..26891, 27130..27185
GI Descrip. (AF069298) No definition line found [Arabidopsis thaliana]

Seq. No.	13243	Seq. ID	OJ991011_06.0119.C3
Gene No.	28143	Strand	-
Start	23635	End	30337
Name	OJ991011_06.0119.C3.o6.gs	Method	GENSCAN
Start	26183	End	30337

GI	none	Score	.67
Exons	26183..27253, 27791..27839, 29189..29378, 29838..29924, 29970..30096, 30284..30337		

Seq. No.	13243	Seq. ID	OJ991011_06.0119.C3
Gene No.	28143	Strand	-
Start	23635	End	30337
Name	OJ991011_06.0119.C3.o3.tc	Method	TBLASTX:Cress
Start	26627	End	26887
GI	none	Score	210
Exons	26627..26887		

Seq. No.	13243	Seq. ID	OJ991011_06.0119.C3
Gene No.	28143	Strand	-
Start	23635	End	30337
Name	OJ991011_06.0119.C3.o3.ts	Method	TBLASTX:Soybean
Start	26627	End	26887
GI	none	Score	215
Exons	26627..26887		

Seq. No.	13244	Seq. ID	OJ991011_06.0119.C4
Gene No.	28144	Strand	+
Start	501	End	644
Name	OJ991011_06.0119.C4.o1.gp	Method	AAT/GAP
Start	501	End	644
GI	21474_1.R1084	Score	252
Exons	501..644		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	13244	Seq. ID	OJ991011_06.0119.C4
Gene No.	28145	Strand	+
Start	4347	End	4566
Name	OJ991011_06.0119.C4.o2.gp	Method	AAT/GAP
Start	4347	End	4566
GI	2310235	Score	315
Exons	4347..4566		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	13244	Seq. ID	OJ991011_06.0119.C4
Gene No.	28146	Strand	-
Start	1112	End	5660
Name	OJ991011_06.0119.C4.o1.np	Method	AAT/NAP
Start	1112	End	5660
GI	4680204	Score	1002
Exons	1112..1246, 1605..1824, 1921..2094, 2204..3302, 3377..4590, 5556..5660		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	13244	Seq. ID	OJ991011_06.0119.C4
Gene No.	28146	Strand	-
Start	1112	End	5660
Name	OJ991011_06.0119.C4.o1.gs	Method	GENSCAN
Start	1174	End	5595
GI	none	Score	.72
Exons	1174..1276, 1557..1629, 1714..2094, 2204..3035, 3161..3302,		

3377..4571, 5189..5267, 5397..5595

Seq. No.	13244	Seq. ID	OJ991011_06.0119.C4
Gene No.	28146	Strand	-
Start	1112	End	5660
Name	OJ991011_06.0119.C4.o2.tw	Method	TBLASTX:Wheat
Start	1755	End	2277
GI	none	Score	70
Exons	1755..1826, 1926..2108, 1933..2058, 2197..2277		

Seq. No.	13244	Seq. ID	OJ991011_06.0119.C4
Gene No.	28146	Strand	-
Start	1112	End	5660
Name	OJ991011_06.0119.C4.o1.tw	Method	TBLASTX:Wheat
Start	3767	End	4170
GI	none	Score	37
Exons	3767..3862, 3767..3937, 3900..4067, 3932..4168, 4019..4168, 4030..4170, 4054..4170		

Seq. No.	13244	Seq. ID	OJ991011_06.0119.C4
Gene No.	28146	Strand	-
Start	1112	End	5660
Name	OJ991011_06.0119.C4.o3.np	Method	AAT/NAP
Start	4044	End	5660
GI	3845248	Score	101
Exons	4044..4101, 5421..5660		
GI Descrip.	(AE001410) hypothetical protein [Plasmodium falciparum]		

Seq. No.	13245	Seq. ID	OJ991011_06.0119.C5
Gene No.	28147	Strand	-
Start	8	End	575
Name	OJ991011_06.0119.C5.o1.gp	Method	AAT/GAP
Start	8	End	575
GI	342_1.R1084	Score	958
Exons	8..575		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	13246	Seq. ID	OJ991011_06.0119.C6
Gene No.	28148	Strand	-
Start	47	End	251
Name	OJ991011_06.0119.C6.o1.gs	Method	GENSCAN
Start	47	End	251
GI	none	Score	.58
Exons	47..251		

Seq. No.	13247	Seq. ID	OJ991011_06.0119.C7
Gene No.	28149	Strand	+
Start	98	End	3341
Name	OJ991011_06.0119.C7.o1.gs	Method	GENSCAN
Start	98	End	3341
GI	none	Score	.53
Exons	98..431, 539..1056, 1127..1994, 2042..2222, 2311..2425, 2588..2688, 2790..2862, 2958..3056, 3189..3341		

Seq. No.	13247	Seq. ID	OJ991011_06.0119.C7
Gene No.	28150	Strand	+

Start	7605	End	7979
Name	OJ991011_06.0119.C7.o3.gp	Method	AAT/GAP
Start	7605	End	7979
GI	2427326	Score	326
Exons	7605..7735, 7857..7979		

Seq. No.	13247	Seq. ID	OJ991011_06.0119.C7
Gene No.	28151	Strand	-
Start	1071	End	8429
Name	OJ991011_06.0119.C7.o1.tw	Method	TBLASTX:Wheat
Start	263	End	666
GI	none	Score	197
Exons	263..499, 263..457, 364..504, 532..666, 546..665		

Seq. No.	13247	Seq. ID	OJ991011_06.0119.C7
Gene No.	28151	Strand	-
Start	1071	End	8429
Name	OJ991011_06.0119.C7.o1.np	Method	AAT/NAP
Start	1071	End	7499
GI	2130141	Score	1741
Exons	1071..1237, 1365..1511, 5233..6809, 6900..7499		
GI Descrip.	mudrA protein - maize transposon MuDR gi|540581 (M76978) mudrA [Zea mays] gi|595816 (U14597) mudrA gene product [Zea mays]		

Seq. No.	13247	Seq. ID	OJ991011_06.0119.C7
Gene No.	28151	Strand	-
Start	1071	End	8429
Name	OJ991011_06.0119.C7.o1.gp	Method	AAT/GAP
Start	3524	End	3658
GI	3760640	Score	124
Exons	3524..3658		
GI Descrip.	4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	13247	Seq. ID	OJ991011_06.0119.C7
Gene No.	28151	Strand	-
Start	1071	End	8429
Name	OJ991011_06.0119.C7.o2.gs	Method	GENSCAN
Start	5118	End	7935
GI	none	Score	.79
Exons	5118..5146, 5792..5914, 6695..6809, 7008..7500, 7615..7660, 7714..7935		

Seq. No.	13247	Seq. ID	OJ991011_06.0119.C7
Gene No.	28151	Strand	-
Start	1071	End	8429
Name	OJ991011_06.0119.C7.o3.tm	Method	TBLASTX:Maize
Start	5244	End	5516
GI	none	Score	98
Exons	5244..5306, 5352..5516, 5371..5514		

Seq. No.	13247	Seq. ID	OJ991011_06.0119.C7
Gene No.	28151	Strand	-
Start	1071	End	8429
Name	OJ991011_06.0119.C7.o2.np	Method	AAT/NAP
Start	5461	End	8429
GI	4680204	Score	91

Exons	5461..5483, 7683..8017, 8406..8429		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		
Seq. No.	13247	Seq. ID	OJ991011_06.0119.C7
Gene No.	28151	Strand	-
Start	1071	End	8429
Name	OJ991011_06.0119.C7.o1.tm	Method	TBLASTX:Maize
Start	5589	End	6362
GI	none	Score	185
Exons	5589..5639, 5658..6014, 5710..5976, 5790..6017, 6050..6103, 6065..6088, 6096..6362, 6100..6354		
Seq. No.	13247	Seq. ID	OJ991011_06.0119.C7
Gene No.	28151	Strand	-
Start	1071	End	8429
Name	OJ991011_06.0119.C7.o2.tm	Method	TBLASTX:Maize
Start	6414	End	6788
GI	none	Score	129
Exons	6414..6788, 6415..6630		
Seq. No.	13248	Seq. ID	OJ991011_06.0119.C8
Gene No.	28152	Strand	+
Start	7134	End	7519
Name	OJ991011_06.0119.C8.o2.gs	Method	GENSCAN
Start	7134	End	7519
GI	none	Score	.69
Exons	7134..7247, 7460..7519		
Seq. No.	13249	Seq. ID	OJ991011_06.0119.C9
Gene No.	28153	Strand	+
Start	156	End	1019
Name	OJ991011_06.0119.C9.o1.gs	Method	GENSCAN
Start	156	End	936
GI	none	Score	.63
Exons	156..291, 490..936		
Seq. No.	13249	Seq. ID	OJ991011_06.0119.C9
Gene No.	28153	Strand	+
Start	156	End	1019
Name	OJ991011_06.0119.C9.o1.np	Method	AAT/NAP
Start	156	End	1019
GI	4680203	Score	482
Exons	156..1019		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	13249	Seq. ID	OJ991011_06.0119.C9
Gene No.	28153	Strand	+
Start	156	End	1019
Name	OJ991011_06.0119.C9.o1.tw	Method	TBLASTX:Wheat
Start	510	End	1013
GI	none	Score	221
Exons	510..908, 749..910, 956..994, 957..1013		
Seq. No.	13249	Seq. ID	OJ991011_06.0119.C9
Gene No.	28153	Strand	+
Start	156	End	1019
Name	OJ991011_06.0119.C9.o1.ts	Method	TBLASTX:Soybean

Start	633	End	927
GI	none	Score	257
Exons	633..908, 635..901, 666..926, 688..927		

Seq. No.	13250	Seq. ID	OJ991011_06.0119.C11
Gene No.	28154	Strand	+
Start	1	End	2528
Name	OJ991011_06.0119.C11.o1.np	Method	AAT/NAP
Start	1	End	2525
GI	4680179	Score	3259
Exons	1..2525		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	13250	Seq. ID	OJ991011_06.0119.C11
Gene No.	28154	Strand	+
Start	1	End	2528
Name	OJ991011_06.0119.C11.o1.ts	Method	TBLASTX:Soybean
Start	272	End	506
GI	none	Score	296
Exons	272..505, 273..506		

Seq. No.	13250	Seq. ID	OJ991011_06.0119.C11
Gene No.	28154	Strand	+
Start	1	End	2528
Name	OJ991011_06.0119.C11.o4.tw	Method	TBLASTX:Wheat
Start	272	End	521
GI	none	Score	322
Exons	272..505, 273..521		

Seq. No.	13250	Seq. ID	OJ991011_06.0119.C11
Gene No.	28154	Strand	+
Start	1	End	2528
Name	OJ991011_06.0119.C11.o4.tm	Method	TBLASTX:Maize
Start	273	End	587
GI	none	Score	318
Exons	273..587, 374..586		

Seq. No.	13250	Seq. ID	OJ991011_06.0119.C11
Gene No.	28154	Strand	+
Start	1	End	2528
Name	OJ991011_06.0119.C11.o1.gs	Method	GENSCAN
Start	291	End	2528
GI	none	Score	1
Exons	291..2528		

Seq. No.	13250	Seq. ID	OJ991011_06.0119.C11
Gene No.	28154	Strand	+
Start	1	End	2528
Name	OJ991011_06.0119.C11.o3.tw	Method	TBLASTX:Wheat
Start	522	End	944
GI	none	Score	598
Exons	522..944, 554..943		

Seq. No.	13250	Seq. ID	OJ991011_06.0119.C11
Gene No.	28154	Strand	+
Start	1	End	2528
Name	OJ991011_06.0119.C11.o3.ts	Method	TBLASTX:Soybean

Start	528	End	773
GI	none	Score	207
Exons	528..773, 545..673		

Seq. No.	13250	Seq. ID	OJ991011_06.0119.C11
Gene No.	28154	Strand	+
Start	1	End	2528
Name	OJ991011_06.0119.C11.o2.tm	Method	TBLASTX:Maize
Start	593	End	956
GI	none	Score	482
Exons	593..943, 594..947, 594..956		

Seq. No.	13250	Seq. ID	OJ991011_06.0119.C11
Gene No.	28154	Strand	+
Start	1	End	2528
Name	OJ991011_06.0119.C11.o2.tw	Method	TBLASTX:Wheat
Start	947	End	1514
GI	none	Score	652
Exons	947..1513, 978..1514		

Seq. No.	13250	Seq. ID	OJ991011_06.0119.C11
Gene No.	28154	Strand	+
Start	1	End	2528
Name	OJ991011_06.0119.C11.o1.tc	Method	TBLASTX:Cress
Start	1221	End	1538
GI	none	Score	90
Exons	1221..1394, 1395..1538, 1397..1537		

Seq. No.	13250	Seq. ID	OJ991011_06.0119.C11
Gene No.	28154	Strand	+
Start	1	End	2528
Name	OJ991011_06.0119.C11.o2.ts	Method	TBLASTX:Soybean
Start	1302	End	1563
GI	none	Score	296
Exons	1302..1562, 1307..1561, 1426..1563		

Seq. No.	13250	Seq. ID	OJ991011_06.0119.C11
Gene No.	28154	Strand	+
Start	1	End	2528
Name	OJ991011_06.0119.C11.o3.tm	Method	TBLASTX:Maize
Start	1361	End	1652
GI	none	Score	373
Exons	1361..1648, 1362..1652		

Seq. No.	13250	Seq. ID	OJ991011_06.0119.C11
Gene No.	28154	Strand	+
Start	1	End	2528
Name	OJ991011_06.0119.C11.o1.tw	Method	TBLASTX:Wheat
Start	1521	End	2147
GI	none	Score	704
Exons	1521..2147, 1577..2035, 1893..2144		

Seq. No.	13250	Seq. ID	OJ991011_06.0119.C11
Gene No.	28154	Strand	+
Start	1	End	2528
Name	OJ991011_06.0119.C11.o1.tm	Method	TBLASTX:Maize
Start	1701	End	2300

GI	none	Score	231
Exons	1701..1862, 1707..1823, 1709..1855, 1860..2300, 1862..2284		

Seq. No.	13250	Seq. ID	OJ991011_06.0119.C11
Gene No.	28154	Strand	+
Start	1	End	2528
Name	OJ991011_06.0119.C11.o5.tw	Method	TBLASTX:Wheat
Start	2147	End	2480
GI	none	Score	316
Exons	2147..2416, 2148..2480, 2151..2438		

Seq. No.	13251	Seq. ID	OJ991011_06.0119.C12
Gene No.	28155	Strand	+
Start	1	End	1454
Name	OJ991011_06.0119.C12.o1.gp	Method	AAT/GAP
Start	1	End	1454
GI	342_1.R1084	Score	2640
Exons	1..1454		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	13251	Seq. ID	OJ991011_06.0119.C12
Gene No.	28156	Strand	+
Start	3527	End	3908
Name	OJ991011_06.0119.C12.o3.gp	Method	AAT/GAP
Start	3527	End	3908
GI	uC-osflcyp033a04b1	Score	663
Exons	3527..3908		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	13251	Seq. ID	OJ991011_06.0119.C12
Gene No.	28157	Strand	-
Start	23	End	4147
Name	OJ991011_06.0119.C12.o1.tw	Method	TBLASTX:Wheat
Start	1	End	945
GI	none	Score	43
Exons	1..36, 3..32, 27..944, 42..359, 43..945		

Seq. No.	13251	Seq. ID	OJ991011_06.0119.C12
Gene No.	28157	Strand	-
Start	23	End	4147
Name	OJ991011_06.0119.C12.o1.gs	Method	GENSCAN
Start	23	End	2608
GI	none	Score	.62
Exons	23..1441, 2003..2084, 2129..2608		

Seq. No.	13251	Seq. ID	OJ991011_06.0119.C12
Gene No.	28157	Strand	-
Start	23	End	4147
Name	OJ991011_06.0119.C12.o1.np	Method	AAT/NAP
Start	112	End	1456
GI	6742729	Score	2121
Exons	112..1456		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	13251	Seq. ID	OJ991011_06.0119.C12

Gene No.	28157	Strand	-
Start	23	End	4147
Name	OJ991011_06.0119.C12.o1.tc	Method	TBLASTX:Cress
Start	209	End	661
GI	none	Score	189
Exons	209..460, 210..647, 210..653, 214..657, 220..657, 479..661		

Seq. No.	13251	Seq. ID	OJ991011_06.0119.C12
Gene No.	28157	Strand	-
Start	23	End	4147
Name	OJ991011_06.0119.C12.o1.tm	Method	TBLASTX:Maize
Start	588	End	902
GI	none	Score	68
Exons	588..818, 588..902, 616..891		

Seq. No.	13251	Seq. ID	OJ991011_06.0119.C12
Gene No.	28157	Strand	-
Start	23	End	4147
Name	OJ991011_06.0119.C12.o2.tw	Method	TBLASTX:Wheat
Start	946	End	1356
GI	none	Score	81
Exons	946..1032, 948..1037, 948..1031, 1064..1276, 1065..1283, 1105..1287, 1293..1355, 1306..1356		

Seq. No.	13251	Seq. ID	OJ991011_06.0119.C12
Gene No.	28157	Strand	-
Start	23	End	4147
Name	OJ991011_06.0119.C12.o2.np	Method	AAT/NAP
Start	1457	End	4147
GI	5852180	Score	705
Exons	1457..1488, 2188..2601, 2653..2770, 3757..3812, 4109..4147		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	13252	Seq. ID	OJ991011_06.0119.C13
Gene No.	28158	Strand	+
Start	635	End	1565
Name	OJ991011_06.0119.C13.o1.gs	Method	GENSCAN
Start	635	End	1565
GI	none	Score	.6
Exons	635..723, 1499..1565		

Seq. No.	13252	Seq. ID	OJ991011_06.0119.C13
Gene No.	28158	Strand	+
Start	635	End	1565
Name	OJ991011_06.0119.C13.o2.gp	Method	AAT/GAP
Start	674	End	1059
GI	uC-osf1cyp033a04b1	Score	649
Exons	674..1059		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	13252	Seq. ID	OJ991011_06.0119.C13
Gene No.	28159	Strand	+
Start	4041	End	7718
Name	OJ991011_06.0119.C13.o3.gs	Method	GENSCAN
Start	4041	End	6356
GI	none	Score	.76

Exons 4041..4074, 5240..5305, 5954..6010, 6220..6356

Seq. No.	13252	Seq. ID	OJ991011_06.0119.C13
Gene No.	28159	Strand	+
Start	4041	End	7718
Name	OJ991011_06.0119.C13.o3.np	Method	AAT/NAP
Start	5158	End	7718
GI	2772934	Score	247
Exons	5158..5314, 5980..6127, 6220..6328, 6734..6809, 7697..7718		
GI Descrip.	(AF030357) C-8,7 sterol isomerase; aSI1 [Arabidopsis thaliana]		

Seq. No.	13252	Seq. ID	OJ991011_06.0119.C13
Gene No.	28160	Strand	-
Start	607	End	3651
Name	OJ991011_06.0119.C13.o1.np	Method	AAT/NAP
Start	607	End	2555
GI	4680186	Score	293
Exons	607..807, 2522..2555		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	13252	Seq. ID	OJ991011_06.0119.C13
Gene No.	28160	Strand	-
Start	607	End	3651
Name	OJ991011_06.0119.C13.o4.gp	Method	AAT/GAP
Start	988	End	3199
GI	342_1.R1084	Score	2304
Exons	988..1021, 1765..3199		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	13252	Seq. ID	OJ991011_06.0119.C13
Gene No.	28160	Strand	-
Start	607	End	3651
Name	OJ991011_06.0119.C13.o2.gs	Method	GENSCAN
Start	1728	End	3203
GI	none	Score	.96
Exons	1728..3203		

Seq. No.	13252	Seq. ID	OJ991011_06.0119.C13
Gene No.	28160	Strand	-
Start	607	End	3651
Name	OJ991011_06.0119.C13.o2.np	Method	AAT/NAP
Start	1765	End	3203
GI	4680203	Score	1780
Exons	1765..3203		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	13252	Seq. ID	OJ991011_06.0119.C13
Gene No.	28160	Strand	-
Start	607	End	3651
Name	OJ991011_06.0119.C13.o6.gp	Method	AAT/GAP
Start	3064	End	3651
GI	2310235	Score	299
Exons	3064..3203, 3614..3651		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	13252	Seq. ID	OJ991011_06.0119.C13
Gene No.	28161	Strand	-
Start	6675	End	7636
Name	OJ991011_06.0119.C13.o2.ts	Method	TBLASTX:Soybean
Start	1764	End	1949
GI	none	Score	182
Exons	1764..1949		

Seq. No.	13252	Seq. ID	OJ991011_06.0119.C13
Gene No.	28161	Strand	-
Start	6675	End	7636
Name	OJ991011_06.0119.C13.o1.tm	Method	TBLASTX:Maize
Start	1779	End	2237
GI	none	Score	103
Exons	1779..1973, 1983..2237, 1983..2225		

Seq. No.	13252	Seq. ID	OJ991011_06.0119.C13
Gene No.	28161	Strand	-
Start	6675	End	7636
Name	OJ991011_06.0119.C13.o1.tw	Method	TBLASTX:Wheat
Start	1813	End	2282
GI	none	Score	167
Exons	1813..2019, 1818..2042, 2022..2120, 2023..2115, 2124..2228, 2128..2217, 2229..2282, 2230..2274		

Seq. No.	13252	Seq. ID	OJ991011_06.0119.C13
Gene No.	28161	Strand	-
Start	6675	End	7636
Name	OJ991011_06.0119.C13.o1.tc	Method	TBLASTX:Cress
Start	2070	End	2418
GI	none	Score	91
Exons	2070..2411, 2089..2226, 2266..2418		

Seq. No.	13252	Seq. ID	OJ991011_06.0119.C13
Gene No.	28161	Strand	-
Start	6675	End	7636
Name	OJ991011_06.0119.C13.o1.ts	Method	TBLASTX:Soybean
Start	2151	End	2580
GI	none	Score	121
Exons	2151..2444, 2169..2393, 2497..2580, 2505..2579		

Seq. No.	13252	Seq. ID	OJ991011_06.0119.C13
Gene No.	28161	Strand	-
Start	6675	End	7636
Name	OJ991011_06.0119.C13.o2.tw	Method	TBLASTX:Wheat
Start	2496	End	2852
GI	none	Score	158
Exons	2496..2753, 2501..2752, 2511..2762, 2512..2754, 2745..2852		

Seq. No.	13252	Seq. ID	OJ991011_06.0119.C13
Gene No.	28161	Strand	-
Start	6675	End	7636
Name	OJ991011_06.0119.C13.o2.tm	Method	TBLASTX:Maize
Start	5179	End	6800
GI	none	Score	138
Exons	5179..5307, 5184..5315, 5967..6041, 5970..6041, 6088..6126, 6091..6126, 6221..6328, 6222..6341, 6734..6793, 6735..6800		

Seq. No.	13252	Seq. ID	OJ991011_06.0119.C13
Gene No.	28161	Strand	-
Start	6675	End	7636
Name	OJ991011_06.0119.C13.o4.gs	Method	GENSCAN
Start	6675	End	7636
GI	none	Score	.94
Exons	6675..6799, 6895..6955, 6986..7636		

Seq. No.	13253	Seq. ID	OJ991011_06.0119.C14
Gene No.	28162	Strand	-
Start	238	End	2507
Name	OJ991011_06.0119.C14.o1.gs	Method	GENSCAN
Start	238	End	2507
GI	none	Score	.77
Exons	238..354, 885..1073, 1290..1380, 1535..1673, 2292..2399, 2465..2507		

Seq. No.	13254	Seq. ID	OJ991011_06.0119.C15
Gene No.	28163	Strand	+
Start	385	End	1443
Name	OJ991011_06.0119.C15.o1.gs	Method	GENSCAN
Start	385	End	1443
GI	none	Score	.61
Exons	385..533, 1288..1443		

Seq. No.	13254	Seq. ID	OJ991011_06.0119.C15
Gene No.	28164	Strand	-
Start	855	End	4080
Name	OJ991011_06.0119.C15.o2.np	Method	AAT/NAP
Start	855	End	4080
GI	2760331	Score	222
Exons	855..885, 2015..2149, 2396..2883, 2967..3063, 4058..4080		
GI Descrip.	(AC002130) F1N21.16 [Arabidopsis thaliana]		

Seq. No.	13254	Seq. ID	OJ991011_06.0119.C15
Gene No.	28164	Strand	-
Start	855	End	4080
Name	OJ991011_06.0119.C15.o1.tm	Method	TBLASTX:Maize
Start	2040	End	2266
GI	none	Score	105
Exons	2040..2249, 2050..2265, 2072..2266		

Seq. No.	13254	Seq. ID	OJ991011_06.0119.C15
Gene No.	28164	Strand	-
Start	855	End	4080
Name	OJ991011_06.0119.C15.o2.gs	Method	GENSCAN
Start	3062	End	3424
GI	none	Score	.98
Exons	3062..3424		

Seq. No.	13255	Seq. ID	OJ991011_06.0119.C16
Gene No.	28165	Strand	+
Start	1	End	4804
Name	OJ991011_06.0119.C16.o1.np	Method	AAT/NAP
Start	1	End	4779
GI	5852180	Score	332

Exons	1..61, 281..368, 2319..2346, 4434..4779		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	13255	Seq. ID	OJ991011_06.0119.C16
Gene No.	28165	Strand	+
Start	1	End	4804
Name	OJ991011_06.0119.C16.o2.gp	Method	AAT/GAP
Start	1245	End	3975
GI	uC-osflM202048c12b1	Score	916
Exons	1245..1630, 3829..3975		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 2.0e-16 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	13255	Seq. ID	OJ991011_06.0119.C16
Gene No.	28165	Strand	+
Start	1	End	4804
Name	OJ991011_06.0119.C16.o3.gp	Method	AAT/GAP
Start	4116	End	4186
GI	uC-osroM202024h08a1	Score	84
Exons	4116..4186		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 5.0e-84 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	13255	Seq. ID	OJ991011_06.0119.C16
Gene No.	28165	Strand	+
Start	1	End	4804
Name	OJ991011_06.0119.C16.o3.gs	Method	GENSCAN
Start	4382	End	4804
GI	none	Score	.43
Exons	4382..4414, 4490..4804		
Seq. No.	13255	Seq. ID	OJ991011_06.0119.C16
Gene No.	28166	Strand	+
Start	7799	End	8906
Name	OJ991011_06.0119.C16.o5.gs	Method	GENSCAN
Start	7799	End	8906
GI	none	Score	.99
Exons	7799..8044, 8136..8906		
Seq. No.	13255	Seq. ID	OJ991011_06.0119.C16
Gene No.	28166	Strand	+
Start	7799	End	8906
Name	OJ991011_06.0119.C16.o2.np	Method	AAT/NAP
Start	7838	End	8894
GI	5453379	Score	617
Exons	7838..8044, 8136..8894		
GI Descrip.	(AF155124) bacterial-induced peroxidase precursor [Gossypium hirsutum]		
Seq. No.	13255	Seq. ID	OJ991011_06.0119.C16
Gene No.	28167	Strand	-
Start	510	End	783
Name	OJ991011_06.0119.C16.o1.gp	Method	AAT/GAP
Start	510	End	783
GI	61605_1.R1084	Score	474
Exons	510..783		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-137 Oryza sativa		

indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No.	13255	Seq. ID	OJ991011_06.0119.C16
Gene No.	28168	Strand	-
Start	2281	End	3711
Name	OJ991011_06.0119.C16.o2.gs	Method	GENSCAN
Start	2281	End	3711
GI	none	Score	.8
Exons	2281..2540, 3645..3711		

Seq. No.	13255	Seq. ID	OJ991011_06.0119.C16
Gene No.	28169	Strand	-
Start	10157	End	10557
Name	OJ991011_06.0119.C16.o6.gs	Method	GENSCAN
Start	10157	End	10557
GI	none	Score	.76
Exons	10157..10216, 10344..10408, 10491..10557		

Seq. No.	13255	Seq. ID	OJ991011_06.0119.C16
Gene No.	28170	Strand	-
Start	11251	End	13659
Name	OJ991011_06.0119.C16.o1.ts	Method	TBLASTX:Soybean
Start	7916	End	8837
GI	none	Score	115
Exons	7916..8041, 8118..8204, 8151..8516, 8216..8512, 8544..8738, 8736..8837		

Seq. No.	13255	Seq. ID	OJ991011_06.0119.C16
Gene No.	28170	Strand	-
Start	11251	End	13659
Name	OJ991011_06.0119.C16.o1.tc	Method	TBLASTX:Cress
Start	7919	End	8843
GI	none	Score	117
Exons	7919..8041, 7936..8040, 8118..8204, 8135..8200, 8186..8512, 8208..8513, 8624..8731, 8625..8738, 8748..8843		

Seq. No.	13255	Seq. ID	OJ991011_06.0119.C16
Gene No.	28170	Strand	-
Start	11251	End	13659
Name	OJ991011_06.0119.C16.o1.tm	Method	TBLASTX:Maize
Start	7919	End	8843
GI	none	Score	113
Exons	7919..8041, 7933..8043, 8118..8204, 8135..8200, 8151..8513, 8208..8438, 8210..8509, 8624..8842, 8625..8843		

Seq. No.	13255	Seq. ID	OJ991011_06.0119.C16
Gene No.	28170	Strand	-
Start	11251	End	13659
Name	OJ991011_06.0119.C16.o1.tw	Method	TBLASTX:Wheat
Start	8208	End	8513
GI	none	Score	232
Exons	8208..8513, 8216..8512		

Seq. No.	13255	Seq. ID	OJ991011_06.0119.C16
Gene No.	28170	Strand	-
Start	11251	End	13659
Name	OJ991011_06.0119.C16.o3.np	Method	AAT/NAP

Start	10995	End	13659
GI	5430752	Score	157
Exons	10995..11392, 11545..11935, 13618..13659		
GI Descrip.	(AC007504) Hypothetical Protein [Arabidopsis thaliana]		

Seq. No.	13255	Seq. ID	OJ991011_06.0119.C16
Gene No.	28170	Strand	-
Start	11251	End	13659
Name	OJ991011_06.0119.C16.o7.gs	Method	GENSCAN
Start	11251	End	11862
GI	none	Score	.81
Exons	11251..11862		

Seq. No.	13255	Seq. ID	OJ991011_06.0119.C16
Gene No.	28170	Strand	-
Start	11251	End	13659
Name	OJ991011_06.0119.C16.o8.gs	Method	GENSCAN
Start	12590	End	13123
GI	none	Score	.6
Exons	12590..12726, 13048..13123		

Seq. No.	13256	Seq. ID	OJ991011_06.0119.C17
Gene No.	28171	Strand	+
Start	1	End	941
Name	OJ991011_06.0119.C17.o1.np	Method	AAT/NAP
Start	1	End	929
GI	577503	Score	517
Exons	1..929		
GI Descrip.	(L37790) cationic peroxidase [Stylosanthes humilis]		

Seq. No.	13256	Seq. ID	OJ991011_06.0119.C17
Gene No.	28171	Strand	+
Start	1	End	941
Name	OJ991011_06.0119.C17.o1.gs	Method	GENSCAN
Start	171	End	941
GI	none	Score	.89
Exons	171..941		

Seq. No.	13256	Seq. ID	OJ991011_06.0119.C17
Gene No.	28172	Strand	+
Start	2794	End	4099
Name	OJ991011_06.0119.C17.o3.gs	Method	GENSCAN
Start	2794	End	4099
GI	none	Score	.6
Exons	2794..2974, 3978..4099		

Seq. No.	13256	Seq. ID	OJ991011_06.0119.C17
Gene No.	28173	Strand	+
Start	7218	End	8462
Name	OJ991011_06.0119.C17.o5.gs	Method	GENSCAN
Start	7218	End	8327
GI	none	Score	.99
Exons	7218..7463, 7557..8327		

Seq. No.	13256	Seq. ID	OJ991011_06.0119.C17
Gene No.	28173	Strand	+
Start	7218	End	8462

Name	OJ991011_06.0119.C17.o2.np	Method	AAT/NAP
Start	7251	End	8315
GI	577503	Score	583
Exons	7251..7463, 7557..8315		
GI Descrip.	(L37790) cationic peroxidase [Stylosanthes humilis]		

Seq. No.	13256	Seq. ID	OJ991011_06.0119.C17
Gene No.	28173	Strand	+
Start	7218	End	8462
Name	OJ991011_06.0119.C17.o1.gp	Method	AAT/GAP
Start	7428	End	7825
GI	428394	Score	578
Exons	7428..7463, 7557..7825		
GI Descrip.	2811262 5.0e-24 (AF043234) ferriprotein porphyrin-containing peroxidase [Striga asiatica]		

Seq. No.	13256	Seq. ID	OJ991011_06.0119.C17
Gene No.	28173	Strand	+
Start	7218	End	8462
Name	OJ991011_06.0119.C17.o2.gp	Method	AAT/GAP
Start	8009	End	8462
GI	4714529	Score	848
Exons	8009..8462		
GI Descrip.	5453379/gb|AAD43561.1|AF155124_1 2.0e-18 (AF155124) bacterial-induced peroxidase precursor [Gossypium hirsutum]		

Seq. No.	13256	Seq. ID	OJ991011_06.0119.C17
Gene No.	28174	Strand	-
Start	2130	End	2345
Name	OJ991011_06.0119.C17.o2.gs	Method	GENSCAN
Start	2130	End	2345
GI	none	Score	.69
Exons	2130..2345		

Seq. No.	13256	Seq. ID	OJ991011_06.0119.C17
Gene No.	28175	Strand	-
Start	6064	End	8264
Name	OJ991011_06.0119.C17.o1.tc	Method	TBLASTX:Cress
Start	165	End	8159
GI	none	Score	77
Exons	165..251, 252..500, 507..542, 663..773, 7323..7463, 7352..7462, 7539..7631, 7556..7615, 7628..7885, 7629..7886, 7893..7931, 8049..8159		

Seq. No.	13256	Seq. ID	OJ991011_06.0119.C17
Gene No.	28175	Strand	-
Start	6064	End	8264
Name	OJ991011_06.0119.C17.o1.ts	Method	TBLASTX:Soybean
Start	165	End	8258
GI	none	Score	84
Exons	165..239, 186..551, 251..547, 579..773, 771..872, 7335..7460, 7539..7625, 7572..7937, 7622..7930, 7965..8159, 8157..8258		

Seq. No.	13256	Seq. ID	OJ991011_06.0119.C17
Gene No.	28175	Strand	-
Start	6064	End	8264
Name	OJ991011_06.0119.C17.o2.tw	Method	TBLASTX:Wheat

Start	165	End	7739
GI	none	Score	163
Exons	165..317, 170..316, 171..353, 7338..7460, 7442..7462, 7539..7703, 7556..7702, 7662..7739		

Seq. No.	13256	Seq. ID	OJ991011_06.0119.C17
Gene No.	28175	Strand	-
Start	6064	End	8264
Name	OJ991011_06.0119.C17.o1.tm	Method	TBLASTX:Maize
Start	165	End	8264
GI	none	Score	72
Exons	165..239, 170..235, 186..548, 243..350, 245..544, 663..878, 674..877, 7338..7460, 7352..7462, 7539..7625, 7556..7621, 7572..7928, 7622..7930, 8049..8264, 8060..8263		

Seq. No.	13256	Seq. ID	OJ991011_06.0119.C17
Gene No.	28175	Strand	-
Start	6064	End	8264
Name	OJ991011_06.0119.C17.o1.tw	Method	TBLASTX:Wheat
Start	366	End	8165
GI	none	Score	177
Exons	366..548, 380..550, 555..584, 672..779, 672..770, 7748..7936, 7749..7931, 8058..8165		

Seq. No.	13256	Seq. ID	OJ991011_06.0119.C17
Gene No.	28175	Strand	-
Start	6064	End	8264
Name	OJ991011_06.0119.C17.o4.gs	Method	GENSCAN
Start	6064	End	6319
GI	none	Score	.6
Exons	6064..6269, 6286..6319		

Seq. No.	13257	Seq. ID	OJ991011_06.0119.C18
Gene No.	28176	Strand	-
Start	179	End	5603
Name	OJ991011_06.0119.C18.o1.gs	Method	GENSCAN
Start	179	End	3651
GI	none	Score	.59
Exons	179..217, 656..828, 995..1165, 1248..2025, 2070..2622, 2700..2921, 3000..3433, 3522..3651		

Seq. No.	13257	Seq. ID	OJ991011_06.0119.C18
Gene No.	28176	Strand	-
Start	179	End	5603
Name	OJ991011_06.0119.C18.o2.np	Method	AAT/NAP
Start	2132	End	5568
GI	3063699	Score	254
Exons	2132..2217, 4863..5568		
GI Descrip.	(AL022537) putative protein [Arabidopsis thaliana]		

Seq. No.	13257	Seq. ID	OJ991011_06.0119.C18
Gene No.	28176	Strand	-
Start	179	End	5603
Name	OJ991011_06.0119.C18.o2.gs	Method	GENSCAN
Start	5024	End	5603
GI	none	Score	.98
Exons	5024..5603		

Seq. No.	13258	Seq. ID	OJ991011_06.0119.C19
Gene No.	28177	Strand	-
Start	63	End	1218
Name	OJ991011_06.0119.C19.o1.tw	Method	TBLASTX:Wheat
Start	2	End	895
GI	none	Score	101
Exons	2..169, 3..134, 173..334, 270..317, 353..895, 405..851		

Seq. No.	13258	Seq. ID	OJ991011_06.0119.C19
Gene No.	28177	Strand	-
Start	63	End	1218
Name	OJ991011_06.0119.C19.o1.np	Method	AAT/NAP
Start	63	End	1218
GI	6742729	Score	955
Exons	63..1218		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	13258	Seq. ID	OJ991011_06.0119.C19
Gene No.	28177	Strand	-
Start	63	End	1218
Name	OJ991011_06.0119.C19.o1.tc	Method	TBLASTX:Cress
Start	182	End	608
GI	none	Score	53
Exons	182..334, 270..317, 353..604, 405..608		

Seq. No.	13258	Seq. ID	OJ991011_06.0119.C19
Gene No.	28177	Strand	-
Start	63	End	1218
Name	OJ991011_06.0119.C19.o1.tm	Method	TBLASTX:Maize
Start	506	End	991
GI	none	Score	92
Exons	506..991, 512..667, 798..974		

Seq. No.	13258	Seq. ID	OJ991011_06.0119.C19
Gene No.	28177	Strand	-
Start	63	End	1218
Name	OJ991011_06.0119.C19.o2.tw	Method	TBLASTX:Wheat
Start	899	End	1218
GI	none	Score	66
Exons	899..982, 900..983, 1019..1216, 1020..1217, 1120..1218		

Seq. No.	13259	Seq. ID	OJ991011_06.0119.C20
Gene No.	28178	Strand	+
Start	1	End	414
Name	OJ991011_06.0119.C20.o1.np	Method	AAT/NAP
Start	1	End	414
GI	4680203	Score	123
Exons	1..414		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	13259	Seq. ID	OJ991011_06.0119.C20
Gene No.	28178	Strand	+
Start	1	End	414
Name	OJ991011_06.0119.C20.o1.gs	Method	GENSCAN
Start	95	End	390
GI	none	Score	.54

Exons	95..390		
Seq. No.	13259	Seq. ID	OJ991011_06.0119.C20
Gene No.	28179	Strand	+
Start	341	End	527
Name	OJ991011_06.0119.C20.o1.gp	Method	AAT/GAP
Start	341	End	527
GI	5002953	Score	255
Exons	341..527		
GI Descrip.	4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	13260	Seq. ID	OJ991201_06.0103.C1
Gene No.	28180	Strand	-
Start	739	End	1118
Name	OJ991201_06.0103.C1.o1.gs	Method	GENSCAN
Start	739	End	1118
GI	none	Score	.43
Exons	739..774, 844..974, 1031..1118		
Seq. No.	13261	Seq. ID	OJ991201_06.0103.C3
Gene No.	28181	Strand	+
Start	1728	End	3659
Name	OJ991201_06.0103.C3.o1.np	Method	AAT/NAP
Start	1728	End	3659
GI	974605	Score	129
Exons	1728..1756, 3414..3659		
GI Descrip.	(U32310) single-stranded nucleic acid binding protein [Triticum aestivum]		
Seq. No.	13261	Seq. ID	OJ991201_06.0103.C3
Gene No.	28181	Strand	+
Start	1728	End	3659
Name	OJ991201_06.0103.C3.o2.gs	Method	GENSCAN
Start	3206	End	3659
GI	none	Score	.58
Exons	3206..3305, 3568..3659		
Seq. No.	13261	Seq. ID	OJ991201_06.0103.C3
Gene No.	28182	Strand	+
Start	15876	End	19248
Name	OJ991201_06.0103.C3.o3.np	Method	AAT/NAP
Start	15876	End	19248
GI	2098575	Score	282
Exons	15876..16435, 16641..16683, 17407..17520, 18750..18847, 18951..19047, 19136..19248		
GI Descrip.	(AC002115) F25451_2 [Homo sapiens]		
Seq. No.	13261	Seq. ID	OJ991201_06.0103.C3
Gene No.	28182	Strand	+
Start	15876	End	19248
Name	OJ991201_06.0103.C3.o1.gp	Method	AAT/GAP
Start	18210	End	18434
GI	2796735	Score	408
Exons	18210..18434		
Seq. No.	13261	Seq. ID	OJ991201_06.0103.C3

Gene No.	28183	Strand	-
Start	470	End	2809
Name	OJ991201_06.0103.C3.o1.gs	Method	GENSCAN
Start	470	End	2809
GI	none	Score	.89
Exons	470..640, 719..1230, 1342..1605, 1693..2139, 2260..2305, 2406..2809		

Seq. No.	13261	Seq. ID	OJ991201_06.0103.C3
Gene No.	28184	Strand	-
Start	4378	End	8544
Name	OJ991201_06.0103.C3.o2.np	Method	AAT/NAP
Start	4354	End	7600
GI	4680203	Score	1933
Exons	4354..5294, 5571..5809, 5969..7600		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	13261	Seq. ID	OJ991201_06.0103.C3
Gene No.	28184	Strand	-
Start	4378	End	8544
Name	OJ991201_06.0103.C3.o3.gs	Method	GENSCAN
Start	4378	End	8544
GI	none	Score	.64
Exons	4378..5332, 5675..5768, 5790..5927, 6015..7238, 7319..7600, 8481..8544		

Seq. No.	13261	Seq. ID	OJ991201_06.0103.C3
Gene No.	28184	Strand	-
Start	4378	End	8544
Name	OJ991201_06.0103.C3.o1.tw	Method	TBLASTX:Wheat
Start	4432	End	5652
GI	none	Score	65
Exons	4432..4551, 4552..4656, 4553..4657, 4675..4728, 4728..4772, 4729..4779, 4795..4935, 4796..4921, 4933..5133, 4943..5080, 5138..5638, 5140..5652		

Seq. No.	13261	Seq. ID	OJ991201_06.0103.C3
Gene No.	28184	Strand	-
Start	4378	End	8544
Name	OJ991201_06.0103.C3.o3.ts	Method	TBLASTX:Soybean
Start	4495	End	4743
GI	none	Score	95
Exons	4495..4743, 4559..4741		

Seq. No.	13261	Seq. ID	OJ991201_06.0103.C3
Gene No.	28184	Strand	-
Start	4378	End	8544
Name	OJ991201_06.0103.C3.o2.tc	Method	TBLASTX:Cress
Start	4969	End	5391
GI	none	Score	44
Exons	4969..5133, 4973..5080, 5138..5383, 5140..5391		

Seq. No.	13261	Seq. ID	OJ991201_06.0103.C3
Gene No.	28184	Strand	-
Start	4378	End	8544
Name	OJ991201_06.0103.C3.o4.tm	Method	TBLASTX:Maize
Start	5326	End	5641

GI	none	Score	115
Exons	5326..5640, 5345..5641		

Seq. No.	13261	Seq. ID	OJ991201_06.0103.C3
Gene No.	28184	Strand	-
Start	4378	End	8544
Name	OJ991201_06.0103.C3.o5.tm	Method	TBLASTX:Maize
Start	5818	End	6009
GI	none	Score	70
Exons	5818..6009, 5819..6007		

Seq. No.	13261	Seq. ID	OJ991201_06.0103.C3
Gene No.	28184	Strand	-
Start	4378	End	8544
Name	OJ991201_06.0103.C3.o4.ts	Method	TBLASTX:Soybean
Start	6124	End	6358
GI	none	Score	74
Exons	6124..6357, 6133..6324, 6197..6358		

Seq. No.	13261	Seq. ID	OJ991201_06.0103.C3
Gene No.	28184	Strand	-
Start	4378	End	8544
Name	OJ991201_06.0103.C3.o2.tm	Method	TBLASTX:Maize
Start	6193	End	6642
GI	none	Score	66
Exons	6193..6387, 6209..6412, 6394..6636, 6410..6637, 6511..6642		

Seq. No.	13261	Seq. ID	OJ991201_06.0103.C3
Gene No.	28184	Strand	-
Start	4378	End	8544
Name	OJ991201_06.0103.C3.o3.tw	Method	TBLASTX:Wheat
Start	6232	End	6528
GI	none	Score	69
Exons	6232..6387, 6233..6481, 6431..6526, 6433..6528		

Seq. No.	13261	Seq. ID	OJ991201_06.0103.C3
Gene No.	28184	Strand	-
Start	4378	End	8544
Name	OJ991201_06.0103.C3.o1.tc	Method	TBLASTX:Cress
Start	6481	End	6828
GI	none	Score	100
Exons	6481..6828, 6482..6634, 6674..6823		

Seq. No.	13261	Seq. ID	OJ991201_06.0103.C3
Gene No.	28184	Strand	-
Start	4378	End	8544
Name	OJ991201_06.0103.C3.o1.ts	Method	TBLASTX:Soybean
Start	6562	End	6978
GI	none	Score	116
Exons	6562..6825, 6563..6829, 6838..6978		

Seq. No.	13261	Seq. ID	OJ991201_06.0103.C3
Gene No.	28184	Strand	-
Start	4378	End	8544
Name	OJ991201_06.0103.C3.o2.tw	Method	TBLASTX:Wheat
Start	6577	End	7236
GI	none	Score	87

Exons	6577..6702, 6704..6832, 6709..6828, 6721..6834, 6841..7236, 6842..7015, 7109..7177		
Seq. No.	13261	Seq. ID	OJ991201_06.0103.C3
Gene No.	28185	Strand	
Start	16486	End	17717
Name	OJ991201_06.0103.C3.o3.tm	Method	TBLASTX:Maize
Start	16486	End	17717
GI	none	Score	34
Exons	16486..16521, 16629..16670, 16639..16671, 16689..16757, 16703..16741, 17339..17542, 17340..17540, 17464..17544, 17649..17717		
Seq. No.	13261	Seq. ID	OJ991201_06.0103.C3
Gene No.	28185	Strand	
Start	16486	End	17717
Name	OJ991201_06.0103.C3.o2.ts	Method	TBLASTX:Soybean
Start	17316	End	17519
GI	none	Score	233
Exons	17316..17519, 17348..17518		
Seq. No.	13261	Seq. ID	OJ991201_06.0103.C3
Gene No.	28186	Strand	
Start	18745	End	19371
Name	OJ991201_06.0103.C3.o1.tm	Method	TBLASTX:Maize
Start	18745	End	19371
GI	none	Score	175
Exons	18745..18852, 18746..18850, 18948..19049, 18950..19051, 19134..19220, 19135..19221, 19135..19221, 19301..19357, 19302..19358, 19309..19371		
Seq. No.	13261	Seq. ID	OJ991201_06.0103.C3
Gene No.	28186	Strand	
Start	18745	End	19371
Name	OJ991201_06.0103.C3.o3.tc	Method	TBLASTX:Cress
Start	18758	End	19357
GI	none	Score	121
Exons	18758..18850, 18761..18841, 18763..18852, 18942..19049, 18948..19049, 18950..19051, 19134..19205, 19135..19221, 19316..19357		
Seq. No.	13261	Seq. ID	OJ991201_06.0103.C3
Gene No.	28186	Strand	
Start	18745	End	19371
Name	OJ991201_06.0103.C3.o5.ts	Method	TBLASTX:Soybean
Start	18972	End	19245
GI	none	Score	113
Exons	18972..19049, 18972..19049, 18974..19051, 19134..19220, 19135..19212, 19135..19245		
Seq. No.	13262	Seq. ID	OJ991201_06.0103.C4
Gene No.	28187	Strand	+
Start	1899	End	4968
Name	OJ991201_06.0103.C4.o2.np	Method	AAT/NAP
Start	1899	End	4968
GI	1711036	Score	387
Exons	1899..1934, 3506..3608, 3727..3828, 4612..4741, 4829..4968		

GI Descrip. (U78952) hydroxyproline rich glycoprotein PsHRGP1 [Pisum sativum]

Seq. No.	13262	Seq. ID	OJ991201_06.0103.C4
Gene No.	28187	Strand	+
Start	1899	End	4968
Name	OJ991201_06.0103.C4.o3.gp	Method	AAT/GAP
Start	3511	End	4968
GI	14963_1.R1084	Score	710
Exons	3511..3604, 3727..3828, 4612..4741, 4829..4968		
GI Descrip.	'4586027/gb|AAD25645.1|AC007109_3 1.0e-55 (AC007109) putative ribosomal protein L14 [Arabidopsis thaliana]'		

Seq. No.	13262	Seq. ID	OJ991201_06.0103.C4
Gene No.	28188	Strand	-
Start	347	End	4944
Name	OJ991201_06.0103.C4.o1.gp	Method	AAT/GAP
Start	347	End	1399
GI	32780_1.R1084	Score	989
Exons	347..708, 798..929, 1344..1399		
GI Descrip.	'2459429 2.0e-24 (AC002332) unknown protein [Arabidopsis thaliana]'		

Seq. No.	13262	Seq. ID	OJ991201_06.0103.C4
Gene No.	28188	Strand	-
Start	347	End	4944
Name	OJ991201_06.0103.C4.o3.tm	Method	TBLASTX:Maize
Start	587	End	965
GI	none	Score	36
Exons	587..610, 588..611, 673..708, 677..715, 798..929, 798..962, 799..930, 927..965		

Seq. No.	13262	Seq. ID	OJ991201_06.0103.C4
Gene No.	28188	Strand	-
Start	347	End	4944
Name	OJ991201_06.0103.C4.o1.tc	Method	TBLASTX:Cress
Start	667	End	2611
GI	none	Score	44
Exons	667..708, 668..709, 798..935, 799..927, 1341..1481, 1348..1482, 1560..1697, 1561..1692, 1903..1971, 1904..2011, 2472..2606, 2480..2611, 2484..2597		

Seq. No.	13262	Seq. ID	OJ991201_06.0103.C4
Gene No.	28188	Strand	-
Start	347	End	4944
Name	OJ991201_06.0103.C4.o1.gs	Method	GENSCAN
Start	673	End	4533
GI	none	Score	.49
Exons	673..708, 798..929, 1040..1074, 1601..1691, 1903..1958, 2479..2604, 3100..3282, 3284..3428, 3589..3893, 4461..4533		

Seq. No.	13262	Seq. ID	OJ991201_06.0103.C4
Gene No.	28188	Strand	-
Start	347	End	4944
Name	OJ991201_06.0103.C4.o1.np	Method	AAT/NAP
Start	676	End	2596
GI	2459429	Score	665

Exons	676..708, 798..929, 1344..1479, 1561..1691, 1903..1958, 2479..2596		
GI Descrip.	(AC002332) unknown protein [Arabidopsis thaliana]		

Seq. No.	13262	Seq. ID	OJ991201_06.0103.C4
Gene No.	28188	Strand	-
Start	347	End	4944
Name	OJ991201_06.0103.C4.o1.tm	Method	TBLASTX:Maize
Start	1329	End	2597
GI	none	Score	169
Exons	1329..1481, 1332..1481, 1336..1482, 1560..1697, 1561..1692, 1903..1971, 1904..1960, 2475..2597, 2480..2596		

Seq. No.	13262	Seq. ID	OJ991201_06.0103.C4
Gene No.	28188	Strand	-
Start	347	End	4944
Name	OJ991201_06.0103.C4.o1.ts	Method	TBLASTX:Soybean
Start	1354	End	2599
GI	none	Score	147
Exons	1354..1482, 1354..1431, 1355..1474, 1356..1481, 1560..1697, 1561..1692, 1903..1971, 1907..1960, 2480..2599, 2484..2597		

Seq. No.	13262	Seq. ID	OJ991201_06.0103.C4
Gene No.	28188	Strand	-
Start	347	End	4944
Name	OJ991201_06.0103.C4.o2.tw	Method	TBLASTX:Wheat
Start	1904	End	2642
GI	none	Score	63
Exons	1904..1957, 1905..1958, 1906..1959, 1906..1971, 2470..2601, 2475..2642, 2480..2602		

Seq. No.	13262	Seq. ID	OJ991201_06.0103.C4
Gene No.	28188	Strand	-
Start	347	End	4944
Name	OJ991201_06.0103.C4.o1.tw	Method	TBLASTX:Wheat
Start	3726	End	4941
GI	none	Score	102
Exons	3726..3785, 3727..3837, 3727..3828, 4595..4702, 4603..4740, 4606..4740, 4827..4877, 4828..4884, 4830..4892, 4860..4940, 4864..4941, 4880..4939		

Seq. No.	13262	Seq. ID	OJ991201_06.0103.C4
Gene No.	28188	Strand	-
Start	347	End	4944
Name	OJ991201_06.0103.C4.o2.tm	Method	TBLASTX:Maize
Start	3726	End	4941
GI	none	Score	80
Exons	3726..3785, 3727..3837, 3727..3828, 4606..4740, 4610..4702, 4611..4739, 4827..4877, 4828..4884, 4859..4939, 4860..4940, 4873..4941		

Seq. No.	13262	Seq. ID	OJ991201_06.0103.C4
Gene No.	28188	Strand	-
Start	347	End	4944
Name	OJ991201_06.0103.C4.o2.ts	Method	TBLASTX:Soybean
Start	3727	End	4941
GI	none	Score	116

Exons	3727..3837, 4598..4702, 4603..4740, 4606..4740, 4827..4877, 4828..4884, 4859..4939, 4860..4940, 4866..4940, 4873..4941		
Seq. No.	13262	Seq. ID	OJ991201_06.0103.C4
Gene No.	28188	Strand	-
Start	347	End	4944
Name	OJ991201_06.0103.C4.o2.tc	Method	TBLASTX:Cress
Start	3730	End	4944
GI	none	Score	108
Exons	3730..3837, 4606..4740, 4611..4730, 4827..4877, 4828..4884, 4859..4939, 4860..4940, 4896..4940, 4906..4944		
Seq. No.	13263	Seq. ID	OJ991201_06.0103.C5
Gene No.	28189	Strand	+
Start	216	End	896
Name	OJ991201_06.0103.C5.o1.gs	Method	GENSCAN
Start	216	End	896
GI	none	Score	.76
Exons	216..337, 442..482, 754..896		
Seq. No.	13263	Seq. ID	OJ991201_06.0103.C5
Gene No.	28190	Strand	+
Start	3346	End	4236
Name	OJ991201_06.0103.C5.o2.gp	Method	AAT/GAP
Start	3069	End	3561
GI	426166	Score	744
Exons	3069..3118, 3219..3561		
GI Descrip.	3033393 9.0e-16 (AC004238) putative phosphatidylinositol-glycan-class C (PIGC) [Arabidopsis thaliana]		
Seq. No.	13263	Seq. ID	OJ991201_06.0103.C5
Gene No.	28190	Strand	+
Start	3346	End	4236
Name	OJ991201_06.0103.C5.o1.np	Method	AAT/NAP
Start	3328	End	4233
GI	3033393	Score	1100
Exons	3328..4233		
GI Descrip.	(AC004238) putative phosphatidylinositol-glycan synthase [Arabidopsis thaliana]		
Seq. No.	13263	Seq. ID	OJ991201_06.0103.C5
Gene No.	28190	Strand	+
Start	3346	End	4236
Name	OJ991201_06.0103.C5.o2.gs	Method	GENSCAN
Start	3346	End	4236
GI	none	Score	.87
Exons	3346..4236		
Seq. No.	13263	Seq. ID	OJ991201_06.0103.C5
Gene No.	28191	Strand	+
Start	4365	End	4699
Name	OJ991201_06.0103.C5.o3.gp	Method	AAT/GAP
Start	4365	End	4699
GI	none	Score	628
Exons	4365..4699		

Seq. No.	13263	Seq. ID	OJ991201_06.0103.C5
Gene No.	28192	Strand	+
Start	9665	End	12921
Name	OJ991201_06.0103.C5.o3.np	Method	AAT/NAP
Start	9665	End	12921
GI	5091513	Score	776
Exons	9665..9703, 10768..10797, 12353..12921		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	13263	Seq. ID	OJ991201_06.0103.C5
Gene No.	28192	Strand	+
Start	9665	End	12921
Name	OJ991201_06.0103.C5.o4.gp	Method	AAT/GAP
Start	11232	End	11542
GI	72524_1.R1084	Score	411
Exons	11232..11542		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	13263	Seq. ID	OJ991201_06.0103.C5
Gene No.	28193	Strand	-
Start	1	End	192
Name	OJ991201_06.0103.C5.o1.gp	Method	AAT/GAP
Start	1	End	192
GI	14963_1.R1084	Score	350
Exons	1..192		
GI Descrip.	'4586027/gb|AAD25645.1|AC007109_3 1.0e-55 (AC007109) putative ribosomal protein L14 [Arabidopsis thaliana]'		

Seq. No.	13263	Seq. ID	OJ991201_06.0103.C5
Gene No.	28194	Strand	-
Start	5806	End	10738
Name	OJ991201_06.0103.C5.o4.tm	Method	TBLASTX:Maize
Start	3360	End	3492
GI	none	Score	163
Exons	3360..3491, 3361..3492, 3364..3492		

Seq. No.	13263	Seq. ID	OJ991201_06.0103.C5
Gene No.	28194	Strand	-
Start	5806	End	10738
Name	OJ991201_06.0103.C5.o3.tm	Method	TBLASTX:Maize
Start	4013	End	4260
GI	none	Score	242
Exons	4013..4246, 4013..4246, 4015..4260		

Seq. No.	13263	Seq. ID	OJ991201_06.0103.C5
Gene No.	28194	Strand	-
Start	5806	End	10738
Name	OJ991201_06.0103.C5.o1.tm	Method	TBLASTX:Maize
Start	5712	End	7304
GI	none	Score	86
Exons	5712..5741, 5789..5911, 5789..5878, 5800..5898, 5860..5934, 5893..6081, 5894..5947, 5950..6090, 5976..6020, 5987..6022, 6016..6069, 6020..6082, 6065..6100, 6066..6104, 6287..6466, 6305..6442, 6310..6447, 6531..6578, 6532..6579, 6533..6583, 6678..6743, 6709..6756, 6795..6932, 6811..6942, 6811..6936, 6812..6940, 7038..7109, 7057..7110, 7093..7128, 7100..7126,		

7198..7254, 7216..7284, 7217..7282, 7218..7301, 7218..7304

Seq. No.	13263	Seq. ID	OJ991201_06.0103.C5
Gene No.	28194	Strand	-
Start	5806	End	10738
Name	OJ991201_06.0103.C5.o1.ts	Method	TBLASTX:Soybean
Start	5806	End	7556
GI	none	Score	67
Exons	5806..5862, 5956..6096, 6008..6100, 6337..6417, 6341..6415, 6449..6469, 6709..6756, 6712..6738, 6795..6914, 6811..6945, 6811..6939, 6812..6940, 7038..7097, 7042..7095, 7093..7128, 7217..7279, 7218..7280, 7515..7556		

Seq. No.	13263	Seq. ID	OJ991201_06.0103.C5
Gene No.	28194	Strand	-
Start	5806	End	10738
Name	OJ991201_06.0103.C5.o3.gs	Method	GENSCAN
Start	5806	End	10737
GI	none	Score	.96
Exons	5806..6099, 6307..6440, 6531..6591, 6679..6740, 6813..6914, 7514..7575, 8171..8241, 8868..8963, 9109..9257, 9331..9400, 9680..9746, 9933..10075, 10489..10737		

Seq. No.	13263	Seq. ID	OJ991201_06.0103.C5
Gene No.	28194	Strand	-
Start	5806	End	10738
Name	OJ991201_06.0103.C5.o2.np	Method	AAT/NAP
Start	5821	End	10737
GI	4204297	Score	1160
Exons	5821..6093, 6307..6436, 6527..6617, 6670..6740, 6813..6939, 7044..7128, 7215..7279, 7514..7575, 8171..8241, 8868..8963, 9109..9257, 9331..9400, 10489..10529, 10662..10737		
GI Descrip.	(AC003027) ADK1 [Arabidopsis thaliana]		

Seq. No.	13263	Seq. ID	OJ991201_06.0103.C5
Gene No.	28194	Strand	-
Start	5806	End	10738
Name	OJ991201_06.0103.C5.o1.tc	Method	TBLASTX:Cress
Start	6352	End	9402
GI	none	Score	59
Exons	6352..6435, 6389..6436, 6538..6564, 6541..6564, 6709..6756, 6710..6757, 6811..6945, 6811..6939, 6836..6940, 7038..7109, 7042..7110, 7093..7128, 7100..7126, 7216..7254, 7218..7280, 7515..7580, 7519..7578, 8170..8247, 8170..8244, 8826..8960, 8865..8963, 8866..8964, 9106..9255, 9111..9236, 9113..9256, 9329..9400, 9330..9401, 9339..9401, 9343..9402		

Seq. No.	13263	Seq. ID	OJ991201_06.0103.C5
Gene No.	28194	Strand	-
Start	5806	End	10738
Name	OJ991201_06.0103.C5.o2.tw	Method	TBLASTX:Wheat
Start	6368	End	6757
GI	none	Score	96
Exons	6368..6442, 6368..6442, 6370..6444, 6531..6590, 6532..6588, 6533..6589, 6533..6598, 6709..6756, 6710..6757		

Seq. No.	13263	Seq. ID	OJ991201_06.0103.C5

Gene No.	28194	Strand	-
Start	5806	End	10738
Name	OJ991201_06.0103.C5.o1.tw	Method	TBLASTX:Wheat
Start	6835	End	7280
GI	none	Score	70
Exons	6835..6936, 6875..6922, 7026..7109, 7093..7128, 7100..7126, 7198..7254, 7218..7280		

Seq. No.	13263	Seq. ID	OJ991201_06.0103.C5
Gene No.	28194	Strand	-
Start	5806	End	10738
Name	OJ991201_06.0103.C5.o2.ts	Method	TBLASTX:Soybean
Start	8170	End	10738
GI	none	Score	78
Exons	8170..8247, 8170..8244, 8856..8963, 8857..8964, 9106..9252, 9106..9255, 9113..9283, 9329..9400, 9330..9401, 9343..9402, 10663..10737, 10670..10738		

Seq. No.	13263	Seq. ID	OJ991201_06.0103.C5
Gene No.	28194	Strand	-
Start	5806	End	10738
Name	OJ991201_06.0103.C5.o2.tm	Method	TBLASTX:Maize
Start	8881	End	10726
GI	none	Score	122
Exons	8881..9000, 8886..8963, 9106..9255, 9110..9256, 9111..9275, 9328..9381, 9329..9400, 9330..9401, 9331..9402, 9467..9529, 10663..10725, 10664..10726		

Seq. No.	13264	Seq. ID	OJ991201_06.0103.C6
Gene No.	28195	Strand	+
Start	1	End	2699
Name	OJ991201_06.0103.C6.o1.np	Method	AAT/NAP
Start	1	End	2699
GI	5091513	Score	1175
Exons	1..517, 1254..1914, 2633..2699		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	13264	Seq. ID	OJ991201_06.0103.C6
Gene No.	28196	Strand	+
Start	8930	End	9372
Name	OJ991201_06.0103.C6.o4.gp	Method	AAT/GAP
Start	8930	End	9372
GI	2428099	Score	734
Exons	8930..9372		

Seq. No.	13264	Seq. ID	OJ991201_06.0103.C6
Gene No.	28197	Strand	-
Start	4233	End	4544
Name	OJ991201_06.0103.C6.o1.gp	Method	AAT/GAP
Start	4233	End	4544
GI	72524_1.R1084	Score	419
Exons	4233..4544		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	13265	Seq. ID	OJ991201_06.0103.C7
Gene No.	28198	Strand	+

Start	97	End	438
Name	OJ991201_06.0103.C7.o1.gs	Method	GENSCAN
Start	97	End	438
GI	none	Score	.48
Exons	97..438		

Seq. No.	13266	Seq. ID	OJ991201_06.0103.C8
Gene No.	28199	Strand	+
Start	778	End	3283
Name	OJ991201_06.0103.C8.o1.gs	Method	GENSCAN
Start	778	End	3283
GI	none	Score	.94
Exons	778..904, 994..1106, 1538..3283		

Seq. No.	13266	Seq. ID	OJ991201_06.0103.C8
Gene No.	28199	Strand	+
Start	778	End	3283
Name	OJ991201_06.0103.C8.o1.np	Method	AAT/NAP
Start	1549	End	3283
GI	4204315	Score	1496
Exons	1549..3283		
GI Descrip.	(AC003027) Unknown protein [Arabidopsis thaliana]		

Seq. No.	13266	Seq. ID	OJ991201_06.0103.C8
Gene No.	28200	Strand	+
Start	7110	End	14159
Name	OJ991201_06.0103.C8.o3.np	Method	AAT/NAP
Start	7110	End	14159
GI	3157926	Score	82
Exons	7110..7132, 13552..13881, 14044..14159		
GI Descrip.	(AC002131) Strong similarity to extensin-like protein gb|Z34465 from Zea mays. [Arabidopsis thaliana]		

Seq. No.	13266	Seq. ID	OJ991201_06.0103.C8
Gene No.	28200	Strand	+
Start	7110	End	14159
Name	OJ991201_06.0103.C8.o2.gp	Method	AAT/GAP
Start	13686	End	14159
GI	none	Score	888
Exons	13686..14159		

Seq. No.	13266	Seq. ID	OJ991201_06.0103.C8
Gene No.	28201	Strand	-
Start	3545	End	3889
Name	OJ991201_06.0103.C8.o2.gs	Method	GENSCAN
Start	3545	End	3889
GI	none	Score	.46
Exons	3545..3670, 3725..3889		

Seq. No.	13266	Seq. ID	OJ991201_06.0103.C8
Gene No.	28202	Strand	-
Start	5346	End	11174
Name	OJ991201_06.0103.C8.o1.gp	Method	AAT/GAP
Start	5346	End	11174
GI	8698_1.R1084	Score	3077
Exons	5346..5664, 5762..5833, 6312..6434, 6863..7027, 7230..7364, 7453..7605, 7728..7802, 8549..8626, 9240..9304, 9881..9992,		

	10678..10788, 10929..11174		
GI Descrip.	'3660469/emb|CAA05024| 0.0e+00 (AJ001808) succinyl-CoA-ligase beta subunit [Arabidopsis thaliana] >gi_4512693_gb_AAD21746.1_ (AC006569) succinyl-CoA ligase beta subunit [Arabidopsis thaliana]'		
Seq. No.	13266	Seq. ID	OJ991201_06.0103.C8
Gene No.	28202	Strand	-
Start	5346	End	11174
Name	OJ991201_06.0103.C8.o3.gs	Method	GENSCAN
Start	5587	End	11030
GI	none	Score	.85
Exons	5587..5727, 5762..5833, 6312..6434, 6863..7027, 7230..7364, 7453..7605, 7728..7802, 8549..8626, 9240..9304, 9881..10067, 10678..10835, 10862..11030		
Seq. No.	13266	Seq. ID	OJ991201_06.0103.C8
Gene No.	28202	Strand	-
Start	5346	End	11174
Name	OJ991201_06.0103.C8.o2.np	Method	AAT/NAP
Start	5590	End	11027
GI	3660469	Score	1513
Exons	5590..5664, 5762..5833, 6312..6434, 6863..7027, 7230..7364, 7453..7605, 7728..7802, 8549..8626, 9240..9304, 9881..9992, 10678..10788, 10929..11027		
GI Descrip.	(AJ001808) succinyl-CoA-ligase beta subunit [Arabidopsis thaliana] gi|6598664|gb|AAD25643.2|AC007109_1 (AC007109) succinyl-CoA ligase beta subunit [Arabidopsis thaliana]		
Seq. No.	13266	Seq. ID	OJ991201_06.0103.C8
Gene No.	28203	Strand	-
Start	13677	End	14135
Name	OJ991201_06.0103.C8.o1.ts	Method	TBLASTX:Soybean
Start	1529	End	3280
GI	none	Score	54
Exons	1529..1600, 1631..1687, 1691..1762, 1702..1761, 1841..1921, 1843..1920, 1919..2362, 1957..2040, 2116..2367, 2423..2509, 2500..2580, 2510..2587, 2579..2641, 2672..2881, 2738..2935, 2939..3280, 3013..3261		
Seq. No.	13266	Seq. ID	OJ991201_06.0103.C8
Gene No.	28203	Strand	-
Start	13677	End	14135
Name	OJ991201_06.0103.C8.o3.tc	Method	TBLASTX:Cress
Start	1942	End	2323
GI	none	Score	401
Exons	1942..2322, 1958..2323		
Seq. No.	13266	Seq. ID	OJ991201_06.0103.C8
Gene No.	28203	Strand	-
Start	13677	End	14135
Name	OJ991201_06.0103.C8.o2.tm	Method	TBLASTX:Maize
Start	2671	End	3100
GI	none	Score	260
Exons	2671..2829, 2672..3034, 2735..2932, 3034..3099, 3038..3100		
Seq. No.	13266	Seq. ID	OJ991201_06.0103.C8

Gene No.	28203	Strand	-
Start	13677	End	14135
Name	OJ991201_06.0103.C8.o2.tc	Method	TBLASTX:Cress
Start	2672	End	3217
GI	none	Score	175
Exons	2672..2881, 2939..3217, 3064..3216		

Seq. No.	13266	Seq. ID	OJ991201_06.0103.C8
Gene No.	28203	Strand	-
Start	13677	End	14135
Name	OJ991201_06.0103.C8.o4.tm	Method	TBLASTX:Maize
Start	3131	End	3280
GI	none	Score	203
Exons	3131..3265, 3139..3261, 3143..3280		

Seq. No.	13266	Seq. ID	OJ991201_06.0103.C8
Gene No.	28203	Strand	-
Start	13677	End	14135
Name	OJ991201_06.0103.C8.o3.tm	Method	TBLASTX:Maize
Start	5453	End	6952
GI	none	Score	35
Exons	5453..5482, 5461..5508, 5509..5559, 5525..5557, 5584..5691, 5588..5665, 5623..5673, 5757..5825, 5760..5834, 5762..5839, 6283..6435, 6285..6437, 6285..6437, 6289..6438, 6860..6952, 6861..6950, 6862..6951, 6875..6952		

Seq. No.	13266	Seq. ID	OJ991201_06.0103.C8
Gene No.	28203	Strand	-
Start	13677	End	14135
Name	OJ991201_06.0103.C8.o2.ts	Method	TBLASTX:Soybean
Start	5590	End	11042
GI	none	Score	49
Exons	5590..5685, 5623..5673, 5760..5834, 5762..5839, 6283..6435, 6285..6437, 6285..6437, 6849..7037, 6859..6987, 6860..7036, 7227..7364, 7227..7364, 7228..7365, 7450..7608, 7496..7609, 7725..7802, 7726..7800, 7726..7836, 8540..8629, 8550..8627, 9232..9321, 9237..9308, 9874..9990, 9879..9995, 9891..9995, 10654..10824, 10679..10789, 10929..11042, 10930..11040, 10971..11042		

Seq. No.	13266	Seq. ID	OJ991201_06.0103.C8
Gene No.	28203	Strand	-
Start	13677	End	14135
Name	OJ991201_06.0103.C8.o1.tc	Method	TBLASTX:Cress
Start	5602	End	11027
GI	none	Score	50
Exons	5602..5685, 5623..5673, 5760..5834, 5762..5839, 6283..6435, 6285..6437, 6285..6437, 6849..7037, 6853..6987, 6860..7036, 7223..7279, 7227..7364, 7227..7364, 7228..7365, 7450..7608, 7456..7599, 7496..7606, 7725..7784, 7725..7802, 7726..7803, 8540..8629, 8550..8639, 9232..9309, 9237..9308, 9874..9990, 9879..9995, 9891..9995, 10654..10791, 10679..10789, 10929..11027, 10933..11022		

Seq. No.	13266	Seq. ID	OJ991201_06.0103.C8
Gene No.	28203	Strand	-
Start	13677	End	14135

Name	OJ991201_06.0103.C8.o1.tm	Method	TBLASTX:Maize
Start	6953	End	11088
GI	none	Score	116
Exons	6953..7036, 6954..7037, 7227..7364, 7228..7365, 7230..7367, 7449..7547, 7450..7608, 7450..7608, 7725..7802, 7726..7803, 7726..7809, 7727..7813, 7727..7813, 8540..8629, 8547..8627, 9225..9308, 9232..9309, 9237..9308, 9238..9309, 9239..9310, 9239..9319, 9874..9993, 9875..9994, 9879..10001, 9882..10004, 10654..10791, 10679..10789, 10929..11033, 10930..11034, 10971..11051, 10994..11050, 11041..11085, 11049..11087, 11056..11088		

Seq. No.	13266	Seq. ID	OJ991201_06.0103.C8
Gene No.	28203	Strand	-
Start	13677	End	14135
Name	OJ991201_06.0103.C8.o4.gs	Method	GENSCAN
Start	13677	End	14135
GI	none	Score	.98
Exons	13677..14064, 14113..14135		

Seq. No.	13267	Seq. ID	OJ991201_06.0103.C10
Gene No.	28204	Strand	+
Start	812	End	5153
Name	OJ991201_06.0103.C10.o1.gs	Method	GENSCAN
Start	812	End	5153
GI	none	Score	.76
Exons	812..954, 1572..1600, 2688..2759, 2846..3016, 3098..3298, 4153..4265, 4836..5153		

Seq. No.	13267	Seq. ID	OJ991201_06.0103.C10
Gene No.	28204	Strand	+
Start	812	End	5153
Name	OJ991201_06.0103.C10.o1.np	Method	AAT/NAP
Start	866	End	5108
GI	3319884	Score	531
Exons	866..954, 1572..1600, 1691..1870, 2688..3016, 3098..3292, 4153..4265, 4836..5108		
GI Descrip.	(AJ224306) PRT1 [Arabidopsis thaliana] gi|3319886|emb|CAA11892| (AJ224307) PRT1 [Arabidopsis thaliana]		

Seq. No.	13267	Seq. ID	OJ991201_06.0103.C10
Gene No.	28204	Strand	+
Start	812	End	5153
Name	OJ991201_06.0103.C10.o1.gp	Method	AAT/GAP
Start	2694	End	3181
GI	428862	Score	602
Exons	2694..2759, 2846..3016, 3098..3181		
GI Descrip.	3319884/emb|CAA11891| 4.0e-09 (AJ224306) PRT1 [Arabidopsis thaliana] >gi_3319886_emb_CAA11892_ (AJ224307) PRT1 [Arabidopsis thaliana]		

Seq. No.	13267	Seq. ID	OJ991201_06.0103.C10
Gene No.	28205	Strand	+
Start	9710	End	10285
Name	OJ991201_06.0103.C10.o2.np	Method	AAT/NAP
Start	9710	End	10285
GI	4769012	Score	256

Exons	9710..9769, 10020..10285		
GI Descrip.	(AF143746) CER1 [Oryza sativa]		
Seq. No.	13267	Seq. ID	OJ991201_06.0103.C10
Gene No.	28206	Strand	-
Start	6099	End	7914
Name	OJ991201_06.0103.C10.o2.gs	Method	GENSCAN
Start	6099	End	7914
GI	none	Score	.66
Exons	6099..6302, 6350..6504, 6549..6620, 6854..6990, 7883..7914		
Seq. No.	13267	Seq. ID	OJ991201_06.0103.C10
Gene No.	28207	Strand	-
Start	8112	End	8792
Name	OJ991201_06.0103.C10.o1.tm	Method	TBLASTX:Maize
Start	1531	End	5009
GI	none	Score	47
Exons	1531..1596, 1566..1598, 1567..1599, 1682..1735, 1690..1869, 1692..1871, 1692..1868, 2680..2751, 2684..2767, 2687..2752, 2846..3025, 2856..3014, 2857..3015, 2858..3016, 2962..3015, 2962..3282, 3062..3292, 3097..3297, 3098..3292, 4203..4268, 4214..4270, 4836..5009, 4836..5003, 4838..5005		
Seq. No.	13267	Seq. ID	OJ991201_06.0103.C10
Gene No.	28207	Strand	-
Start	8112	End	8792
Name	OJ991201_06.0103.C10.o1.tc	Method	TBLASTX:Cress
Start	1567	End	4991
GI	none	Score	48
Exons	1567..1599, 1690..1869, 1693..1890, 2935..3015, 2962..3015, 3095..3124, 3139..3291, 3139..3261, 4227..4268, 4836..4991, 4836..4982, 4838..4984		
Seq. No.	13267	Seq. ID	OJ991201_06.0103.C10
Gene No.	28207	Strand	-
Start	8112	End	8792
Name	OJ991201_06.0103.C10.o1.ts	Method	TBLASTX:Soybean
Start	2935	End	4928
GI	none	Score	100
Exons	2935..3015, 2935..3030, 3096..3236, 3097..3318, 4835..4915, 4836..4928		
Seq. No.	13267	Seq. ID	OJ991201_06.0103.C10
Gene No.	28207	Strand	-
Start	8112	End	8792
Name	OJ991201_06.0103.C10.o2.gp	Method	AAT/GAP
Start	8112	End	8792
GI	57067_1.R1084	Score	1319
Exons	8112..8792		
GI Descrip.	'2160782 9.0e-29 (AF001505) putative ammonium transporter OsAMT1p [Oryza sativa]'		
Seq. No.	13267	Seq. ID	OJ991201_06.0103.C10
Gene No.	28208	Strand	
Start	10016	End	10263
Name	OJ991201_06.0103.C10.o2.tm	Method	TBLASTX:Maize
Start	10016	End	10263

GI	none	Score	287
Exons	10016..10207, 10017..10208, 10207..10263, 10208..10243		

Seq. No.	13268	Seq. ID	OJ991201_06.0103.C11
Gene No.	28209	Strand	+
Start	1	End	3587
Name	OJ991201_06.0103.C11.o1.np	Method	AAT/NAP
Start	1	End	3587
GI	4769012	Score	915
Exons	1..121, 2474..2693, 2845..3227, 3314..3428, 3515..3587		
GI Descrip.	(AF143746) CER1 [Oryza sativa]		

Seq. No.	13268	Seq. ID	OJ991201_06.0103.C11
Gene No.	28209	Strand	+
Start	1	End	3587
Name	OJ991201_06.0103.C11.o1.tm	Method	TBLASTX:Maize
Start	1	End	3445
GI	none	Score	230
Exons	1..162, 9..53, 96..119, 2451..2693, 2476..2694, 2483..2695, 2845..3069, 2845..2904, 2846..3094, 2846..3061, 2965..3066, 3081..3224, 3082..3225, 3082..3225, 3083..3226, 3104..3226, 3303..3380, 3304..3417, 3308..3445, 3311..3421		

Seq. No.	13268	Seq. ID	OJ991201_06.0103.C11
Gene No.	28209	Strand	+
Start	1	End	3587
Name	OJ991201_06.0103.C11.o1.ts	Method	TBLASTX:Soybean
Start	1	End	2968
GI	none	Score	230
Exons	1..162, 9..53, 96..119, 2451..2693, 2476..2694, 2483..2695, 2844..2948, 2846..2968, 2846..2950		

Seq. No.	13268	Seq. ID	OJ991201_06.0103.C11
Gene No.	28209	Strand	+
Start	1	End	3587
Name	OJ991201_06.0103.C11.o1.tc	Method	TBLASTX:Cress
Start	1	End	3421
GI	none	Score	227
Exons	1..162, 6..47, 96..131, 2451..2696, 2476..2694, 2604..2696, 2846..3073, 2849..2995, 3083..3142, 3137..3232, 3304..3417, 3308..3421		

Seq. No.	13268	Seq. ID	OJ991201_06.0103.C11
Gene No.	28209	Strand	+
Start	1	End	3587
Name	OJ991201_06.0103.C11.o1.gs	Method	GENSCAN
Start	2566	End	3421
GI	none	Score	.83
Exons	2566..2693, 2845..3226, 3314..3421		

Seq. No.	13268	Seq. ID	OJ991201_06.0103.C11
Gene No.	28209	Strand	+
Start	1	End	3587
Name	OJ991201_06.0103.C11.o1.gp	Method	AAT/GAP
Start	2931	End	3561
GI	71043_1.R1084	Score	717
Exons	2931..3226, 3314..3423, 3536..3561		

GI Descrip.	'2160782 9.0e-29 (AF001505) putative ammonium transporter OsAMT1p [Oryza sativa]'		
Seq. No.	13268	Seq. ID	OJ991201_06.0103.C11
Gene No.	28209	Strand	+
Start	1	End	3587
Name	OJ991201_06.0103.C11.o2.ts	Method	TBLASTX:Soybean
Start	2972	End	3403
GI	none	Score	120
Exons	2972..3073, 3001..3066, 3077..3145, 3082..3144, 3154..3225, 3155..3226, 3304..3402, 3305..3403		
Seq. No.	13268	Seq. ID	OJ991201_06.0103.C11
Gene No.	28209	Strand	+
Start	1	End	3587
Name	OJ991201_06.0103.C11.o1.tw	Method	TBLASTX:Wheat
Start	3025	End	3436
GI	none	Score	294
Exons	3025..3225, 3026..3226, 3304..3423, 3308..3436, 3311..3421		
Seq. No.	13269	Seq. ID	OJ991201_06.0103.C12
Gene No.	28210	Strand	+
Start	1	End	1081
Name	OJ991201_06.0103.C12.o1.np	Method	AAT/NAP
Start	1	End	1081
GI	3236252	Score	394
Exons	1..381, 645..815, 906..1081		
GI Descrip.	(AC004684) CER1-like protein [Arabidopsis thaliana]		
Seq. No.	13269	Seq. ID	OJ991201_06.0103.C12
Gene No.	28210	Strand	+
Start	1	End	1081
Name	OJ991201_06.0103.C12.o1.gp	Method	AAT/GAP
Start	75	End	637
GI	3107491	Score	555
Exons	75..282, 388..486, 611..637		
GI Descrip.	4769012/gb|AAD29719.1|AF143746_1 3.0e-20 (AF143746) CER1 [Oryza sativa]		
Seq. No.	13269	Seq. ID	OJ991201_06.0103.C12
Gene No.	28210	Strand	+
Start	1	End	1081
Name	OJ991201_06.0103.C12.o1.gs	Method	GENSCAN
Start	82	End	1067
GI	none	Score	.93
Exons	82..282, 388..486, 645..815, 906..1067		
Seq. No.	13269	Seq. ID	OJ991201_06.0103.C12
Gene No.	28211	Strand	-
Start	1748	End	1993
Name	OJ991201_06.0103.C12.o2.np	Method	AAT/NAP
Start	1748	End	1993
GI	2435542	Score	72
Exons	1748..1993		
GI Descrip.	(AF026204) No definition line found [Caenorhabditis elegans]		
Seq. No.	13269	Seq. ID	OJ991201_06.0103.C12

Gene No.	28212	Strand	-
Start	2675	End	3172
Name	OJ991201_06.0103.C12.o1.tc	Method	TBLASTX:Cress
Start	79	End	1055
GI	none	Score	162
Exons	79..285, 90..212, 668..811, 674..814, 675..815, 675..815, 903..1004, 905..991, 999..1055		

Seq. No.	13269	Seq. ID	OJ991201_06.0103.C12
Gene No.	28212	Strand	-
Start	2675	End	3172
Name	OJ991201_06.0103.C12.o1.tm	Method	TBLASTX:Maize
Start	79	End	1070
GI	none	Score	257
Exons	79..285, 79..282, 81..284, 385..477, 385..477, 641..814, 642..815, 644..814, 892..1053, 893..1066, 903..1067, 903..1070		

Seq. No.	13269	Seq. ID	OJ991201_06.0103.C12
Gene No.	28212	Strand	-
Start	2675	End	3172
Name	OJ991201_06.0103.C12.o1.tw	Method	TBLASTX:Wheat
Start	903	End	1067
GI	none	Score	217
Exons	903..1067, 905..1066		

Seq. No.	13269	Seq. ID	OJ991201_06.0103.C12
Gene No.	28212	Strand	-
Start	2675	End	3172
Name	OJ991201_06.0103.C12.o2.gs	Method	GENSCAN
Start	2675	End	2987
GI	none	Score	.71
Exons	2675..2781, 2897..2987		

Seq. No.	13269	Seq. ID	OJ991201_06.0103.C12
Gene No.	28212	Strand	-
Start	2675	End	3172
Name	OJ991201_06.0103.C12.o3.np	Method	AAT/NAP
Start	2865	End	3172
GI	4204284	Score	74
Exons	2865..2987, 3149..3172		
GI Descrip.	(AC003027) lcl|prt_seq No definition line found [Arabidopsis thaliana]		

Seq. No.	13270	Seq. ID	OJ991201_06.0103.C13
Gene No.	28213	Strand	-
Start	1	End	5725
Name	OJ991201_06.0103.C13.o1.np	Method	AAT/NAP
Start	1	End	5725
GI	4204284	Score	703
Exons	1..41, 77..153, 832..1097, 1290..1405, 1432..1964, 2049..2291, 5691..5725		
GI Descrip.	(AC003027) lcl|prt_seq No definition line found [Arabidopsis thaliana]		

Seq. No.	13270	Seq. ID	OJ991201_06.0103.C13
Gene No.	28213	Strand	-
Start	1	End	5725

Name	OJ991201_06.0103.C13.o1.gs	Method	GENSCAN
Start	652	End	5500
GI	none	Score	.69
Exons	652..788, 860..1097, 1290..2087, 2253..2443, 3901..4285, 4439..4634, 5419..5500		

Seq. No.	13270	Seq. ID	OJ991201_06.0103.C13
Gene No.	28213	Strand	-
Start	1	End	5725
Name	OJ991201_06.0103.C13.o1.tm	Method	TBLASTX:Maize
Start	994	End	1646
GI	none	Score	125
Exons	994..1080, 996..1079, 1287..1409, 1287..1409, 1288..1413, 1300..1416, 1472..1645, 1473..1646, 1473..1646		

Seq. No.	13270	Seq. ID	OJ991201_06.0103.C13
Gene No.	28213	Strand	-
Start	1	End	5725
Name	OJ991201_06.0103.C13.o1.ts	Method	TBLASTX:Soybean
Start	1311	End	1809
GI	none	Score	123
Exons	1311..1403, 1312..1434, 1449..1487, 1500..1733, 1518..1601, 1657..1737, 1728..1808, 1768..1809		

Seq. No.	13271	Seq. ID	OJ991201_06.0103.C14
Gene No.	28214	Strand	+
Start	1	End	1054
Name	OJ991201_06.0103.C14.o1.np	Method	AAT/NAP
Start	1	End	800
GI	3193294	Score	105
Exons	1..24, 606..800		
GI Descrip.	(AF069298) similar to reverse transcriptases (Pfam: rvt.hmm, score: 53.76) [Arabidopsis thaliana]		

Seq. No.	13271	Seq. ID	OJ991201_06.0103.C14
Gene No.	28214	Strand	+
Start	1	End	1054
Name	OJ991201_06.0103.C14.o2.np	Method	AAT/NAP
Start	1	End	1054
GI	6069646	Score	213
Exons	1..21, 598..1054		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	13271	Seq. ID	OJ991201_06.0103.C14
Gene No.	28215	Strand	-
Start	853	End	3138
Name	OJ991201_06.0103.C14.o1.tm	Method	TBLASTX:Maize
Start	590	End	1027
GI	none	Score	221
Exons	590..814, 600..815, 836..1027		

Seq. No.	13271	Seq. ID	OJ991201_06.0103.C14
Gene No.	28215	Strand	-

Start	853	End	3138
Name	OJ991201_06.0103.C14.o1.tw	Method	TBLASTX:Wheat
Start	597	End	776
GI	none	Score	196
Exons	597..776		

Seq. No.	13271	Seq. ID	OJ991201_06.0103.C14
Gene No.	28215	Strand	-
Start	853	End	3138
Name	OJ991201_06.0103.C14.o1.gs	Method	GENSCAN
Start	853	End	3138
GI	none	Score	.68
Exons	853..921, 1714..1810, 1926..2034, 2285..2393, 2986..3138		

Seq. No.	13272	Seq. ID	OJ991201_06.0103.C15
Gene No.	28216	Strand	-
Start	618	End	691
Name	OJ991201_06.0103.C15.o1.gs	Method	GENSCAN
Start	618	End	691
GI	none	Score	.94
Exons	618..691		

Seq. No.	13273	Seq. ID	OJ991201_06.0103.C16
Gene No.	28217	Strand	+
Start	1466	End	2170
Name	OJ991201_06.0103.C16.o1.gs	Method	GENSCAN
Start	1466	End	2170
GI	none	Score	.98
Exons	1466..2170		

Seq. No.	13273	Seq. ID	OJ991201_06.0103.C16
Gene No.	28218	Strand	+
Start	4696	End	6288
Name	OJ991201_06.0103.C16.o2.gs	Method	GENSCAN
Start	4696	End	6288
GI	none	Score	1
Exons	4696..6288		

Seq. No.	13273	Seq. ID	OJ991201_06.0103.C16
Gene No.	28219	Strand	+
Start	8168	End	8641
Name	OJ991201_06.0103.C16.o3.gs	Method	GENSCAN
Start	8168	End	8641
GI	none	Score	.81
Exons	8168..8308, 8573..8641		

Seq. No.	13273	Seq. ID	OJ991201_06.0103.C16
Gene No.	28220	Strand	+
Start	14622	End	16918
Name	OJ991201_06.0103.C16.o5.gs	Method	GENSCAN
Start	14622	End	16918
GI	none	Score	.44
Exons	14622..14655, 14672..14759, 14963..15080, 15216..15329, 15563..15629, 15873..16011, 16575..16645, 16758..16918		

Seq. No.	13273	Seq. ID	OJ991201_06.0103.C16
Gene No.	28221	Strand	-

Start	9721	End	12188
Name	OJ991201_06.0103.C16.o1.np	Method	AAT/NAP
Start	9721	End	12188
GI	2160782	Score	1982
Exons	9721..9828, 10688..12188		
GI Descrip.	(AF001505) putative ammonium transporter OsAMT1p [Oryza sativa]		

Seq. No.	13273	Seq. ID	OJ991201_06.0103.C16
Gene No.	28221	Strand	-
Start	9721	End	12188
Name	OJ991201_06.0103.C16.o1.gp	Method	AAT/GAP
Start	10536	End	11137
GI	3768182	Score	1103
Exons	10536..11137		
GI Descrip.	2160782 9.0e-29 (AF001505) putative ammonium transporter OsAMT1p [Oryza sativa]		

Seq. No.	13273	Seq. ID	OJ991201_06.0103.C16
Gene No.	28221	Strand	-
Start	9721	End	12188
Name	OJ991201_06.0103.C16.o4.gs	Method	GENSCAN
Start	10699	End	12188
GI	none	Score	.93
Exons	10699..10857, 10926..12188		

Seq. No.	13273	Seq. ID	OJ991201_06.0103.C16
Gene No.	28222	Strand	-
Start	16830	End	19433
Name	OJ991201_06.0103.C16.o2.tc	Method	TBLASTX:Cress
Start	5083	End	5937
GI	none	Score	394
Exons	5083..5718, 5112..5741, 5721..5804, 5722..5832, 5836..5937		

Seq. No.	13273	Seq. ID	OJ991201_06.0103.C16
Gene No.	28222	Strand	-
Start	16830	End	19433
Name	OJ991201_06.0103.C16.o3.ts	Method	TBLASTX:Soybean
Start	5086	End	5709
GI	none	Score	87
Exons	5086..5256, 5182..5313, 5269..5652, 5572..5709		

Seq. No.	13273	Seq. ID	OJ991201_06.0103.C16
Gene No.	28222	Strand	-
Start	16830	End	19433
Name	OJ991201_06.0103.C16.o3.tm	Method	TBLASTX:Maize
Start	5089	End	6126
GI	none	Score	143
Exons	5089..5313, 5095..5313, 5112..5312, 5118..5279, 5212..5439, 5224..5388, 5242..5493, 5247..5438, 5335..5709, 5337..5504, 5547..5792, 5548..5745, 5548..6126, 5856..6089		

Seq. No.	13273	Seq. ID	OJ991201_06.0103.C16
Gene No.	28222	Strand	-
Start	16830	End	19433
Name	OJ991201_06.0103.C16.o2.tw	Method	TBLASTX:Wheat
Start	5233	End	5856
GI	none	Score	143

Exons	5233..5493, 5383..5856, 5446..5853		
Seq. No.	13273	Seq. ID	OJ991201_06.0103.C16
Gene No.	28222	Strand	-
Start	16830	End	19433
Name	OJ991201_06.0103.C16.o2.ts	Method	TBLASTX:Soybean
Start	5718	End	6120
GI	none	Score	365
Exons	5718..5804, 5719..6120, 5725..5994, 5859..6005		
Seq. No.	13273	Seq. ID	OJ991201_06.0103.C16
Gene No.	28222	Strand	-
Start	16830	End	19433
Name	OJ991201_06.0103.C16.o3.tc	Method	TBLASTX:Cress
Start	5937	End	6252
GI	none	Score	225
Exons	5937..6089, 5938..6123, 5944..6129, 6142..6252, 6147..6197		
Seq. No.	13273	Seq. ID	OJ991201_06.0103.C16
Gene No.	28222	Strand	-
Start	16830	End	19433
Name	OJ991201_06.0103.C16.o2.tm	Method	TBLASTX:Maize
Start	10739	End	18349
GI	none	Score	52
Exons	10739..10768, 10780..10890, 10793..10843, 10840..10890, 10866..11081, 10866..10961, 10985..11011, 11007..11090, 11016..11108, 18025..18249, 18034..18249, 18071..18250, 18256..18348, 18257..18349		
Seq. No.	13273	Seq. ID	OJ991201_06.0103.C16
Gene No.	28222	Strand	-
Start	16830	End	19433
Name	OJ991201_06.0103.C16.o1.tc	Method	TBLASTX:Cress
Start	10780	End	19385
GI	none	Score	44
Exons	10780..10863, 10840..10866, 10866..10961, 10872..11012, 11016..11390, 11146..11316, 11400..12116, 11410..11904, 11968..12117, 12093..12188, 18028..18246, 18028..18252, 18077..18253, 18256..18537, 18257..18511, 18513..18635, 18514..18636, 18639..19355, 18643..19149, 19207..19356, 19332..19385		
Seq. No.	13273	Seq. ID	OJ991201_06.0103.C16
Gene No.	28222	Strand	-
Start	16830	End	19433
Name	OJ991201_06.0103.C16.o1.ts	Method	TBLASTX:Soybean
Start	10789	End	19362
GI	none	Score	78
Exons	10789..10896, 10866..10934, 10992..11090, 11016..11390, 11146..11313, 11388..11645, 11407..11643, 11664..11840, 11668..11841, 11785..11904, 11817..12128, 11968..12117, 18034..18171, 18037..18171, 18142..18249, 18170..18250, 18178..18522, 18254..18511, 18513..18635, 18514..18618, 18627..18890, 18646..18876, 18903..19079, 18907..19080, 19056..19361, 19123..19149, 19207..19362		
Seq. No.	13273	Seq. ID	OJ991201_06.0103.C16

Gene No.	28222	Strand	-
Start	16830	End	19433
Name	OJ991201_06.0103.C16.o4.tm	Method	TBLASTX:Maize
Start	11109	End	18505
GI	none	Score	65
Exons	11109..11225, 11176..11265, 11217..11264, 18349..18465, 18350..18466, 18416..18505, 18457..18504		

Seq. No.	13273	Seq. ID	OJ991201_06.0103.C16
Gene No.	28222	Strand	-
Start	16830	End	19433
Name	OJ991201_06.0103.C16.o1.tm	Method	TBLASTX:Maize
Start	11277	End	19143
GI	none	Score	364
Exons	11277..11582, 11281..11583, 11373..11615, 11535..11903, 11565..11642, 11572..11904, 18516..18821, 18520..18822, 18774..19142, 18804..19007, 18808..19143		

Seq. No.	13273	Seq. ID	OJ991201_06.0103.C16
Gene No.	28222	Strand	-
Start	16830	End	19433
Name	OJ991201_06.0103.C16.o1.tw	Method	TBLASTX:Wheat
Start	11961	End	19431
GI	none	Score	242
Exons	11961..12206, 11968..12201, 19200..19388, 19207..19389, 19386..19430, 19387..19431		

Seq. No.	13273	Seq. ID	OJ991201_06.0103.C16
Gene No.	28222	Strand	-
Start	16830	End	19433
Name	OJ991201_06.0103.C16.o2.np	Method	AAT/NAP
Start	16830	End	19433
GI	2160782	Score	1800
Exons	16830..16868, 17944..19433		
GI Descrip.	(AF001505) putative ammonium transporter OsAMT1p [Oryza sativa]		

Seq. No.	13273	Seq. ID	OJ991201_06.0103.C16
Gene No.	28222	Strand	-
Start	16830	End	19433
Name	OJ991201_06.0103.C16.o6.gs	Method	GENSCAN
Start	17938	End	19433
GI	none	Score	.91
Exons	17938..18564, 18603..19433		

Seq. No.	13273	Seq. ID	OJ991201_06.0103.C16
Gene No.	28222	Strand	-
Start	16830	End	19433
Name	OJ991201_06.0103.C16.o3.gp	Method	AAT/GAP
Start	18603	End	18770
GI	LIB3434-052-P1-K1-F11	Score	286
Exons	18603..18770		
GI Descrip.	'2160782 3.0e-09 (AF001505) putative ammonium transporter OsAMT1p [Oryza sativa]'		

Seq. No.	13274	Seq. ID	OJ991201_06.0103.C17
Gene No.	28223	Strand	+
Start	1	End	691

Name	OJ991201_06.0103.C17.o1.np	Method	AAT/NAP
Start	1	End	691
GI	5091513	Score	611
Exons	1..691		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	13274	Seq. ID	OJ991201_06.0103.C17
Gene No.	28223	Strand	+
Start	1	End	691
Name	OJ991201_06.0103.C17.o1.gs	Method	GENSCAN
Start	171	End	677
GI	none	Score	.52
Exons	171..470, 487..677		

Seq. No.	13275	Seq. ID	OJ991201_06.0103.C18
Gene No.	28224	Strand	-
Start	1	End	693
Name	OJ991201_06.0103.C18.o1.np	Method	AAT/NAP
Start	1	End	693
GI	5091513	Score	844
Exons	1..693		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	13275	Seq. ID	OJ991201_06.0103.C18
Gene No.	28224	Strand	-
Start	1	End	693
Name	OJ991201_06.0103.C18.o1.gs	Method	GENSCAN
Start	20	End	614
GI	none	Score	.79
Exons	20..284, 329..614		

Seq. No.	13276	Seq. ID	OJ991201_01.0103.C1
Gene No.	28225	Strand	+
Start	1882	End	11749
Name	OJ991201_01.0103.C1.o1.np	Method	AAT/NAP
Start	1882	End	6402
GI	4680179	Score	5414
Exons	1882..2967, 3001..6402		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	13276	Seq. ID	OJ991201_01.0103.C1
Gene No.	28225	Strand	+
Start	1882	End	11749
Name	OJ991201_01.0103.C1.o3.np	Method	AAT/NAP
Start	4193	End	11749
GI	5852180	Score	662
Exons	4193..4285, 8719..8789, 9777..9895, 9947..10358, 11058..11095, 11725..11749		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	13276	Seq. ID	OJ991201_01.0103.C1
Gene No.	28225	Strand	+
Start	1882	End	11749
Name	OJ991201_01.0103.C1.o2.gs	Method	GENSCAN
Start	7026	End	7736
GI	none	Score	.96
Exons	7026..7736		

Seq. No.	13276	Seq. ID	OJ991201_01.0103.C1
Gene No.	28225	Strand	+
Start	1882	End	11749
Name	OJ991201_01.0103.C1.o4.gp	Method	AAT/GAP
Start	11646	End	11749
GI	uC-osflcyp033a04b1	Score	167
Exons	11646..11749		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	13276	Seq. ID	OJ991201_01.0103.C1
Gene No.	28226	Strand	-
Start	7144	End	9808
Name	OJ991201_01.0103.C1.o2.np	Method	AAT/NAP
Start	7144	End	9808
GI	5852180	Score	553
Exons	7144..7546, 7598..7724, 9785..9808		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	13276	Seq. ID	OJ991201_01.0103.C1
Gene No.	28226	Strand	-
Start	7144	End	9808
Name	OJ991201_01.0103.C1.o1.gp	Method	AAT/GAP
Start	8638	End	9023
GI	uC-osflcyp033a04b1	Score	665
Exons	8638..9023		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	13276	Seq. ID	OJ991201_01.0103.C1
Gene No.	28227	Strand	-
Start	11083	End	11749
Name	OJ991201_01.0103.C1.o9.tw	Method	TBLASTX:Wheat
Start	2125	End	2324
GI	none	Score	211
Exons	2125..2322, 2127..2324		

Seq. No.	13276	Seq. ID	OJ991201_01.0103.C1
Gene No.	28227	Strand	-
Start	11083	End	11749
Name	OJ991201_01.0103.C1.o7.tw	Method	TBLASTX:Wheat
Start	2358	End	2709
GI	none	Score	292
Exons	2358..2552, 2359..2709		

Seq. No.	13276	Seq. ID	OJ991201_01.0103.C1
Gene No.	28227	Strand	-
Start	11083	End	11749
Name	OJ991201_01.0103.C1.o6.tm	Method	TBLASTX:Maize
Start	2359	End	2664
GI	none	Score	231
Exons	2359..2664, 2373..2537		

Seq. No.	13276	Seq. ID	OJ991201_01.0103.C1
Gene No.	28227	Strand	-
Start	11083	End	11749

Name	OJ991201_01.0103.C1.o7.tm	Method	TBLASTX:Maize
Start	2992	End	3345
GI	none	Score	187
Exons	2992..3345		

Seq. No.	13276	Seq. ID	OJ991201_01.0103.C1
Gene No.	28227	Strand	-
Start	11083	End	11749
Name	OJ991201_01.0103.C1.o8.tw	Method	TBLASTX:Wheat
Start	3028	End	3465
GI	none	Score	163
Exons	3028..3237, 3084..3236, 3282..3395, 3283..3396, 3424..3465		

Seq. No.	13276	Seq. ID	OJ991201_01.0103.C1
Gene No.	28227	Strand	-
Start	11083	End	11749
Name	OJ991201_01.0103.C1.o4.tw	Method	TBLASTX:Wheat
Start	3561	End	4047
GI	none	Score	52
Exons	3561..4004, 3565..3615, 3670..4047		

Seq. No.	13276	Seq. ID	OJ991201_01.0103.C1
Gene No.	28227	Strand	-
Start	11083	End	11749
Name	OJ991201_01.0103.C1.o5.tm	Method	TBLASTX:Maize
Start	3576	End	3866
GI	none	Score	276
Exons	3576..3866, 3577..3864		

Seq. No.	13276	Seq. ID	OJ991201_01.0103.C1
Gene No.	28227	Strand	-
Start	11083	End	11749
Name	OJ991201_01.0103.C1.o3.tm	Method	TBLASTX:Maize
Start	3934	End	4434
GI	none	Score	167
Exons	3934..4113, 3942..4088, 4120..4434, 4260..4313, 4341..4391		

Seq. No.	13276	Seq. ID	OJ991201_01.0103.C1
Gene No.	28227	Strand	-
Start	11083	End	11749
Name	OJ991201_01.0103.C1.o1.ts	Method	TBLASTX:Soybean
Start	3988	End	4383
GI	none	Score	57
Exons	3988..4020, 3990..4019, 4024..4383, 4026..4064, 4092..4382		

Seq. No.	13276	Seq. ID	OJ991201_01.0103.C1
Gene No.	28227	Strand	-
Start	11083	End	11749
Name	OJ991201_01.0103.C1.o5.tw	Method	TBLASTX:Wheat
Start	4096	End	4398
GI	none	Score	382
Exons	4096..4398, 4098..4382		

Seq. No.	13276	Seq. ID	OJ991201_01.0103.C1
Gene No.	28227	Strand	-
Start	11083	End	11749
Name	OJ991201_01.0103.C1.o3.tw	Method	TBLASTX:Wheat

Start	4399	End	4824
GI	none	Score	603
Exons	4399..4824, 4431..4820		

Seq. No.	13276	Seq. ID	OJ991201_01.0103.C1
Gene No.	28227	Strand	-
Start	11083	End	11749
Name	OJ991201_01.0103.C1.o3.ts	Method	TBLASTX:Soybean
Start	4405	End	4650
GI	none	Score	207
Exons	4405..4650, 4422..4649		

Seq. No.	13276	Seq. ID	OJ991201_01.0103.C1
Gene No.	28227	Strand	-
Start	11083	End	11749
Name	OJ991201_01.0103.C1.o2.tm	Method	TBLASTX:Maize
Start	4470	End	4833
GI	none	Score	482
Exons	4470..4820, 4471..4824, 4471..4833		

Seq. No.	13276	Seq. ID	OJ991201_01.0103.C1
Gene No.	28227	Strand	-
Start	11083	End	11749
Name	OJ991201_01.0103.C1.o2.tw	Method	TBLASTX:Wheat
Start	4833	End	5391
GI	none	Score	656
Exons	4833..5390, 4855..5391		

Seq. No.	13276	Seq. ID	OJ991201_01.0103.C1
Gene No.	28227	Strand	-
Start	11083	End	11749
Name	OJ991201_01.0103.C1.o1.tc	Method	TBLASTX:Cress
Start	5098	End	5415
GI	none	Score	90
Exons	5098..5271, 5272..5415, 5274..5414		

Seq. No.	13276	Seq. ID	OJ991201_01.0103.C1
Gene No.	28227	Strand	-
Start	11083	End	11749
Name	OJ991201_01.0103.C1.o2.ts	Method	TBLASTX:Soybean
Start	5179	End	5439
GI	none	Score	296
Exons	5179..5439, 5184..5438		

Seq. No.	13276	Seq. ID	OJ991201_01.0103.C1
Gene No.	28227	Strand	-
Start	11083	End	11749
Name	OJ991201_01.0103.C1.o4.tm	Method	TBLASTX:Maize
Start	5238	End	5529
GI	none	Score	125
Exons	5238..5441, 5238..5525, 5239..5529		

Seq. No.	13276	Seq. ID	OJ991201_01.0103.C1
Gene No.	28227	Strand	-
Start	11083	End	11749
Name	OJ991201_01.0103.C1.o1.tw	Method	TBLASTX:Wheat
Start	5398	End	6024

GI	none	Score	696
Exons	5398..6024, 5454..5912, 5770..6021		

Seq. No.	13276	Seq. ID	OJ991201_01.0103.C1
Gene No.	28227	Strand	-
Start	11083	End	11749
Name	OJ991201_01.0103.C1.o1.tm	Method	TBLASTX:Maize
Start	5578	End	6177
GI	none	Score	222
Exons	5578..5739, 5581..5730, 5586..5732, 5736..6161, 5737..6177		

Seq. No.	13276	Seq. ID	OJ991201_01.0103.C1
Gene No.	28227	Strand	-
Start	11083	End	11749
Name	OJ991201_01.0103.C1.o6.tw	Method	TBLASTX:Wheat
Start	6024	End	6357
GI	none	Score	329
Exons	6024..6293, 6025..6357, 6028..6336		

Seq. No.	13276	Seq. ID	OJ991201_01.0103.C1
Gene No.	28227	Strand	-
Start	11083	End	11749
Name	OJ991201_01.0103.C1.o4.gs	Method	GENSCAN
Start	11083	End	11686
GI	none	Score	.43
Exons	11083..11237, 11626..11686		

Seq. No.	13276	Seq. ID	OJ991201_01.0103.C1
Gene No.	28227	Strand	-
Start	11083	End	11749
Name	OJ991201_01.0103.C1.o4.np	Method	AAT/NAP
Start	11579	End	11749
GI	4680186	Score	248
Exons	11579..11749		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	13277	Seq. ID	OJ991201_01.0103.C2
Gene No.	28228	Strand	+
Start	751	End	2658
Name	OJ991201_01.0103.C2.o1.gp	Method	AAT/GAP
Start	751	End	1134
GI	uC-osflcyp033a04b1	Score	669
Exons	751..1134		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	13277	Seq. ID	OJ991201_01.0103.C2
Gene No.	28228	Strand	+
Start	751	End	2658
Name	OJ991201_01.0103.C2.o1.gs	Method	GENSCAN
Start	856	End	2658
GI	none	Score	.52
Exons	856..921, 1846..2658		

Seq. No.	13277	Seq. ID	OJ991201_01.0103.C2
Gene No.	28228	Strand	+
Start	751	End	2658

Name	OJ991201_01.0103.C2.o2.np	Method	AAT/NAP
Start	1831	End	2655
GI	6498441	Score	1180
Exons	1831..2280, 2374..2655		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	13277	Seq. ID	OJ991201_01.0103.C2
Gene No.	28229	Strand	+
Start	6710	End	16061
Name	OJ991201_01.0103.C2.o3.gs	Method	GENSCAN
Start	6710	End	15830
GI	none	Score	.85
Exons	6710..6813, 7399..7471, 7571..7660, 8002..8172, 9455..9704, 9794..9822, 11774..11906, 12454..12610, 13112..13251, 13595..14103, 14188..14845, 15039..15074, 15146..15237, 15675..15830		

Seq. No.	13277	Seq. ID	OJ991201_01.0103.C2
Gene No.	28229	Strand	+
Start	6710	End	16061
Name	OJ991201_01.0103.C2.o3.gp	Method	AAT/GAP
Start	7519	End	7939
GI	uC-osflcyp172a09a1	Score	640
Exons	7519..7882, 7912..7939		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 1.0e-35 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	13277	Seq. ID	OJ991201_01.0103.C2
Gene No.	28229	Strand	+
Start	6710	End	16061
Name	OJ991201_01.0103.C2.o5.np	Method	AAT/NAP
Start	9539	End	12992
GI	4678341	Score	306
Exons	9539..9896, 10485..10581, 10828..11030, 12446..12716, 12760..12802, 12907..12992		
GI Descrip.	(AL049659) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13277	Seq. ID	OJ991201_01.0103.C2
Gene No.	28229	Strand	+
Start	6710	End	16061
Name	OJ991201_01.0103.C2.o6.np	Method	AAT/NAP
Start	10322	End	13445
GI	4678341	Score	252
Exons	10322..10363, 10458..10581, 10828..11030, 12446..12716, 13308..13445		
GI Descrip.	(AL049659) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13277	Seq. ID	OJ991201_01.0103.C2
Gene No.	28229	Strand	+
Start	6710	End	16061
Name	OJ991201_01.0103.C2.o4.gp	Method	AAT/GAP
Start	14553	End	14957
GI	none	Score	782
Exons	14553..14957		

Seq. No.	13277	Seq. ID	OJ991201_01.0103.C2
Gene No.	28229	Strand	+
Start	6710	End	16061
Name	OJ991201_01.0103.C2.o5.gp	Method	AAT/GAP
Start	15160	End	16061
GI	3767784	Score	842
Exons	15160..15237, 15675..16061		

Seq. No.	13277	Seq. ID	OJ991201_01.0103.C2
Gene No.	28230	Strand	+
Start	18185	End	21691
Name	OJ991201_01.0103.C2.o5.gs	Method	GENSCAN
Start	18185	End	21691
GI	none	Score	.87
Exons	18185..18295, 18384..18453, 18965..19070, 19153..19264, 19760..19817, 20214..20344, 20382..20494, 20668..20722, 21017..21691		

Seq. No.	13277	Seq. ID	OJ991201_01.0103.C2
Gene No.	28231	Strand	+
Start	24104	End	25120
Name	OJ991201_01.0103.C2.o7.gs	Method	GENSCAN
Start	24104	End	25120
GI	none	Score	1
Exons	24104..25120		

Seq. No.	13277	Seq. ID	OJ991201_01.0103.C2
Gene No.	28232	Strand	+
Start	26987	End	27407
Name	OJ991201_01.0103.C2.o6.gp	Method	AAT/GAP
Start	26987	End	27407
GI	uC-osflcyp172a09a1	Score	640
Exons	26987..27350, 27380..27407		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 1.0e-35 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	13277	Seq. ID	OJ991201_01.0103.C2
Gene No.	28233	Strand	+
Start	28257	End	33152
Name	OJ991201_01.0103.C2.o7.np	Method	AAT/NAP
Start	28257	End	33152
GI	6498441	Score	5715
Exons	28257..29319, 29661..30124, 30188..30561, 30745..30879, 31052..31450, 31643..31967, 32139..33152		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	13277	Seq. ID	OJ991201_01.0103.C2
Gene No.	28234	Strand	-
Start	684	End	6429
Name	OJ991201_01.0103.C2.o1.np	Method	AAT/NAP
Start	684	End	5718
GI	4680186	Score	355
Exons	684..885, 1719..1770, 4496..4774, 5676..5718		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	13277	Seq. ID	OJ991201_01.0103.C2
Gene No.	28234	Strand	-
Start	684	End	6429
Name	OJ991201_01.0103.C2.o2.gs	Method	GENSCAN
Start	3289	End	6429
GI	none	Score	.96
Exons	3289..6429		

Seq. No.	13277	Seq. ID	OJ991201_01.0103.C2
Gene No.	28234	Strand	-
Start	684	End	6429
Name	OJ991201_01.0103.C2.o3.np	Method	AAT/NAP
Start	3292	End	6429
GI	6907089	Score	4451
Exons	3292..5074, 5169..6429		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	13277	Seq. ID	OJ991201_01.0103.C2
Gene No.	28235	Strand	-
Start	7242	End	8205
Name	OJ991201_01.0103.C2.o4.np	Method	AAT/NAP
Start	7242	End	8205
GI	5922623	Score	171
Exons	7242..7318, 7486..7638, 8120..8205		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	13277	Seq. ID	OJ991201_01.0103.C2
Gene No.	28236	Strand	-
Start	16375	End	17004
Name	OJ991201_01.0103.C2.o4.gs	Method	GENSCAN
Start	16375	End	17004
GI	none	Score	.49
Exons	16375..16717, 16910..16978, 16991..17004		

Seq. No.	13277	Seq. ID	OJ991201_01.0103.C2
Gene No.	28237	Strand	-
Start	22477	End	33106
Name	OJ991201_01.0103.C2.o5.tw	Method	TBLASTX:Wheat
Start	1861	End	33106
GI	none	Score	58
Exons	1861..1917, 32762..33106, 32783..33067, 32785..33069		

Seq. No.	13277	Seq. ID	OJ991201_01.0103.C2
Gene No.	28237	Strand	-
Start	22477	End	33106
Name	OJ991201_01.0103.C2.o7.tw	Method	TBLASTX:Wheat
Start	2041	End	2646
GI	none	Score	273
Exons	2041..2328, 2070..2327, 2520..2642, 2521..2646		

Seq. No.	13277	Seq. ID	OJ991201_01.0103.C2
Gene No.	28237	Strand	-
Start	22477	End	33106
Name	OJ991201_01.0103.C2.o1.tm	Method	TBLASTX:Maize
Start	12555	End	13623

GI	none	Score	251
Exons	12555..12719, 12558..12704, 12560..12718, 13101..13211, 13110..13211, 13111..13212, 13117..13221, 13217..13348, 13218..13355, 13230..13355, 13231..13371, 13410..13523, 13415..13534, 13415..13519, 13482..13526, 13591..13623, 13593..13619		

Seq. No.	13277	Seq. ID	OJ991201_01.0103.C2
Gene No.	28237	Strand	-
Start	22477	End	33106
Name	OJ991201_01.0103.C2.o2.tm	Method	TBLASTX:Maize
Start	14422	End	14711
GI	none	Score	409
Exons	14422..14709, 14433..14711		

Seq. No.	13277	Seq. ID	OJ991201_01.0103.C2
Gene No.	28237	Strand	-
Start	22477	End	33106
Name	OJ991201_01.0103.C2.o1.ts	Method	TBLASTX:Soybean
Start	14569	End	15168
GI	none	Score	138
Exons	14569..14703, 14577..14702, 14722..14946, 14724..14945, 14755..14949, 15037..15168, 15037..15129		

Seq. No.	13277	Seq. ID	OJ991201_01.0103.C2
Gene No.	28237	Strand	-
Start	22477	End	33106
Name	OJ991201_01.0103.C2.o6.gs	Method	GENSCAN
Start	22477	End	23610
GI	none	Score	.75
Exons	22477..23610		

Seq. No.	13277	Seq. ID	OJ991201_01.0103.C2
Gene No.	28237	Strand	-
Start	22477	End	33106
Name	OJ991201_01.0103.C2.o6.tw	Method	TBLASTX:Wheat
Start	28405	End	28797
GI	none	Score	58
Exons	28405..28452, 28459..28557, 28464..28556, 28524..28763, 28540..28797		

Seq. No.	13277	Seq. ID	OJ991201_01.0103.C2
Gene No.	28237	Strand	-
Start	22477	End	33106
Name	OJ991201_01.0103.C2.o6.tm	Method	TBLASTX:Maize
Start	28410	End	28695
GI	none	Score	197
Exons	28410..28694, 28447..28695		

Seq. No.	13277	Seq. ID	OJ991201_01.0103.C2
Gene No.	28237	Strand	-
Start	22477	End	33106
Name	OJ991201_01.0103.C2.o3.tw	Method	TBLASTX:Wheat
Start	29535	End	30031
GI	none	Score	78
Exons	29535..29639, 29663..30031, 29740..30000		

Seq. No.	13277	Seq. ID	OJ991201_01.0103.C2
Gene No.	28237	Strand	-
Start	22477	End	33106
Name	OJ991201_01.0103.C2.o1.tw	Method	TBLASTX:Wheat
Start	30195	End	30658
GI	none	Score	217
Exons	30195..30638, 30196..30651, 30197..30658, 30197..30652		

Seq. No.	13277	Seq. ID	OJ991201_01.0103.C2
Gene No.	28237	Strand	-
Start	22477	End	33106
Name	OJ991201_01.0103.C2.o3.ts	Method	TBLASTX:Soybean
Start	30236	End	30601
GI	none	Score	118
Exons	30236..30460, 30467..30601		

Seq. No.	13277	Seq. ID	OJ991201_01.0103.C2
Gene No.	28237	Strand	-
Start	22477	End	33106
Name	OJ991201_01.0103.C2.o3.tm	Method	TBLASTX:Maize
Start	30326	End	30682
GI	none	Score	392
Exons	30326..30682, 30361..30672, 30377..30682		

Seq. No.	13277	Seq. ID	OJ991201_01.0103.C2
Gene No.	28237	Strand	-
Start	22477	End	33106
Name	OJ991201_01.0103.C2.o5.tm	Method	TBLASTX:Maize
Start	30709	End	31091
GI	none	Score	275
Exons	30709..30984, 30710..30985, 30984..31091		

Seq. No.	13277	Seq. ID	OJ991201_01.0103.C2
Gene No.	28237	Strand	-
Start	22477	End	33106
Name	OJ991201_01.0103.C2.o2.tw	Method	TBLASTX:Wheat
Start	30766	End	31184
GI	none	Score	269
Exons	30766..30984, 30767..30985, 30821..31000, 30983..31159, 30984..31184		

Seq. No.	13277	Seq. ID	OJ991201_01.0103.C2
Gene No.	28237	Strand	-
Start	22477	End	33106
Name	OJ991201_01.0103.C2.o2.ts	Method	TBLASTX:Soybean
Start	30845	End	31214
GI	none	Score	147
Exons	30845..30979, 30862..30978, 30984..31214		

Seq. No.	13277	Seq. ID	OJ991201_01.0103.C2
Gene No.	28237	Strand	-
Start	22477	End	33106
Name	OJ991201_01.0103.C2.o4.tw	Method	TBLASTX:Wheat
Start	31815	End	32273
GI	none	Score	228
Exons	31815..32063, 31839..32063, 31904..32080, 32124..32273, 32135..32272		

Seq. No.	13277	Seq. ID	OJ991201_01.0103.C2
Gene No.	28237	Strand	-
Start	22477	End	33106
Name	OJ991201_01.0103.C2.o4.tm	Method	TBLASTX:Maize
Start	32759	End	33105
GI	none	Score	367
Exons	32759..33076, 32788..33075, 32905..33105		

Seq. No.	13278	Seq. ID	OJ991201_01.0103.C3
Gene No.	28238	Strand	+
Start	13993	End	18172
Name	OJ991201_01.0103.C3.o2.gs	Method	GENSCAN
Start	13993	End	18172
GI	none	Score	.96
Exons	13993..15162, 16040..17504, 17660..17776, 17872..18014, 18053..18172		

Seq. No.	13278	Seq. ID	OJ991201_01.0103.C3
Gene No.	28239	Strand	-
Start	744	End	13077
Name	OJ991201_01.0103.C3.o1.gs	Method	GENSCAN
Start	744	End	13077
GI	none	Score	.77
Exons	744..868, 1121..1223, 2406..2434, 2542..2729, 4047..4128, 4206..4350, 4603..5255, 5370..6213, 6752..9868, 9970..10170, 10275..10634, 10761..10839, 12872..13077		

Seq. No.	13278	Seq. ID	OJ991201_01.0103.C3
Gene No.	28239	Strand	-
Start	744	End	13077
Name	OJ991201_01.0103.C3.o1.tm	Method	TBLASTX:Maize
Start	3723	End	5028
GI	none	Score	166
Exons	3723..3824, 3724..3825, 4046..4117, 4047..4115, 4048..4116, 4204..4332, 4205..4333, 4206..4337, 4209..4340, 4217..4339, 4548..5021, 4599..4697, 4603..4875, 4606..5022, 4607..4915, 4915..5028		

Seq. No.	13278	Seq. ID	OJ991201_01.0103.C3
Gene No.	28239	Strand	-
Start	744	End	13077
Name	OJ991201_01.0103.C3.o1.tc	Method	TBLASTX:Cress
Start	3726	End	4812
GI	none	Score	69
Exons	3726..3797, 3727..3798, 4046..4132, 4050..4130, 4210..4353, 4211..4372, 4657..4812, 4661..4810		

Seq. No.	13278	Seq. ID	OJ991201_01.0103.C3
Gene No.	28239	Strand	-
Start	744	End	13077
Name	OJ991201_01.0103.C3.o1.gp	Method	AAT/GAP
Start	4693	End	5254
GI	none	Score	1085
Exons	4693..5254		

Seq. No.	13278	Seq. ID	OJ991201_01.0103.C3

Gene No.	28239	Strand	-
Start	744	End	13077
Name	OJ991201_01.0103.C3.o4.tm	Method	TBLASTX:Maize
Start	5028	End	5446
GI	none	Score	116
Exons	5028..5114, 5029..5151, 5030..5146, 5188..5241, 5193..5240, 5342..5443, 5349..5444, 5368..5445, 5369..5446		

Seq. No.	13278	Seq. ID	OJ991201_01.0103.C3
Gene No.	28239	Strand	-
Start	744	End	13077
Name	OJ991201_01.0103.C3.o3.tm	Method	TBLASTX:Maize
Start	5744	End	5926
GI	none	Score	196
Exons	5744..5926, 5753..5890, 5760..5924, 5767..5925		

Seq. No.	13278	Seq. ID	OJ991201_01.0103.C3
Gene No.	28239	Strand	-
Start	744	End	13077
Name	OJ991201_01.0103.C3.o2.gp	Method	AAT/GAP
Start	6028	End	7143
GI	none	Score	1026
Exons	6028..6213, 6752..7143		

Seq. No.	13278	Seq. ID	OJ991201_01.0103.C3
Gene No.	28239	Strand	-
Start	744	End	13077
Name	OJ991201_01.0103.C3.o2.tm	Method	TBLASTX:Maize
Start	6751	End	7227
GI	none	Score	296
Exons	6751..7125, 6752..7222, 6752..7207, 7144..7227		

Seq. No.	13278	Seq. ID	OJ991201_01.0103.C3
Gene No.	28239	Strand	-
Start	744	End	13077
Name	OJ991201_01.0103.C3.o2.tc	Method	TBLASTX:Cress
Start	8603	End	8983
GI	none	Score	184
Exons	8603..8983		

Seq. No.	13279	Seq. ID	OJ991201_01.0103.C4
Gene No.	28240	Strand	+
Start	516	End	7175
Name	OJ991201_01.0103.C4.o1.gs	Method	GENSCAN
Start	516	End	5596
GI	none	Score	.42
Exons	516..746, 1121..1174, 1460..1727, 1820..1880, 2082..2183, 2245..2523, 2691..2794, 3693..3851, 4014..4398, 4442..4548, 5442..5596		

Seq. No.	13279	Seq. ID	OJ991201_01.0103.C4
Gene No.	28240	Strand	+
Start	516	End	7175
Name	OJ991201_01.0103.C4.o1.gp	Method	AAT/GAP
Start	3591	End	4102
GI	uC-osflM202052c07b1	Score	987
Exons	3591..4102		

GI Descrip. '4234848 1.0e-12 (AF082131) gag-pol polyprotein [Zea mays]'

Seq. No.	13279	Seq. ID	OJ991201_01.0103.C4
Gene No.	28240	Strand	+
Start	516	End	7175
Name	OJ991201_01.0103.C4.o1.np	Method	AAT/NAP
Start	3701	End	7175
GI	4234852	Score	2222
Exons	3701..3841, 3884..7175		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	13279	Seq. ID	OJ991201_01.0103.C4
Gene No.	28240	Strand	+
Start	516	End	7175
Name	OJ991201_01.0103.C4.o2.gp	Method	AAT/GAP
Start	4334	End	4894
GI	uC-osflcyp006a10b1	Score	785
Exons	4334..4548, 4656..4894		
GI Descrip.	'4234846 7.0e-13 (AF082130) gag-pol polyprotein [Zea mays]'		

Seq. No.	13279	Seq. ID	OJ991201_01.0103.C4
Gene No.	28241	Strand	+
Start	7346	End	7470
Name	OJ991201_01.0103.C4.o3.tm	Method	TBLASTX:Maize
Start	515	End	714
GI	none	Score	195
Exons	515..703, 516..704, 522..710, 556..714		

Seq. No.	13279	Seq. ID	OJ991201_01.0103.C4
Gene No.	28241	Strand	+
Start	7346	End	7470
Name	OJ991201_01.0103.C4.o1.tm	Method	TBLASTX:Maize
Start	3794	End	4714
GI	none	Score	467
Exons	3794..4372, 3916..4362, 4118..4396, 4455..4547, 4652..4714		

Seq. No.	13279	Seq. ID	OJ991201_01.0103.C4
Gene No.	28241	Strand	+
Start	7346	End	7470
Name	OJ991201_01.0103.C4.o4.tm	Method	TBLASTX:Maize
Start	5667	End	5963
GI	none	Score	139
Exons	5667..5822, 5668..5850, 5847..5963		

Seq. No.	13279	Seq. ID	OJ991201_01.0103.C4
Gene No.	28241	Strand	+
Start	7346	End	7470
Name	OJ991201_01.0103.C4.o1.ts	Method	TBLASTX:Soybean
Start	5668	End	6078
GI	5509260	Score	120
Exons	5668..5850, 5847..5984, 5847..6011, 5977..6078		
GI Descrip.	-		

Seq. No.	13279	Seq. ID	OJ991201_01.0103.C4
Gene No.	28241	Strand	+
Start	7346	End	7470
Name	OJ991201_01.0103.C4.o1.tw	Method	TBLASTX:Wheat

Start	5788	End	6569
GI	none	Score	42
Exons	5788..5838, 5847..5984, 5858..5974, 5980..6078, 5980..6063, 6074..6157, 6164..6376, 6192..6383, 6200..6379, 6360..6569, 6371..6565		

Seq. No.	13279	Seq. ID	OJ991201_01.0103.C4
Gene No.	28241	Strand	+
Start	7346	End	7470
Name	OJ991201_01.0103.C4.o2.tm	Method	TBLASTX:Maize
Start	6375	End	6659
GI	none	Score	219
Exons	6375..6659, 6509..6649		

Seq. No.	13279	Seq. ID	OJ991201_01.0103.C4
Gene No.	28241	Strand	+
Start	7346	End	7470
Name	OJ991201_01.0103.C4.o2.tw	Method	TBLASTX:Wheat
Start	6728	End	7124
GI	none	Score	137
Exons	6728..6901, 6760..6900, 6909..7124		

Seq. No.	13279	Seq. ID	OJ991201_01.0103.C4
Gene No.	28241	Strand	+
Start	7346	End	7470
Name	OJ991201_01.0103.C4.o3.gp	Method	AAT/GAP
Start	7346	End	7470
GI	43117_2.R1084	Score	165
Exons	7346..7470		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 3.0e-24 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	13280	Seq. ID	OJ991201_01.0103.C5
Gene No.	28242	Strand	+
Start	4149	End	6898
Name	OJ991201_01.0103.C5.o1.gp	Method	AAT/GAP
Start	4149	End	4573
GI	60543_1.R1084	Score	520
Exons	4149..4260, 4321..4573		
GI Descrip.	'2586128/gb|U89509|ZMU89509 7.0e-55 Zea mays b-keto acyl reductase (glossy8) mRNA, complete cds'		

Seq. No.	13280	Seq. ID	OJ991201_01.0103.C5
Gene No.	28242	Strand	+
Start	4149	End	6898
Name	OJ991201_01.0103.C5.o2.np	Method	AAT/NAP
Start	4221	End	6898
GI	2586127	Score	1447
Exons	4221..4870, 5862..5931, 6644..6898		
GI Descrip.	(U89510) b-keto acyl reductase [Hordeum vulgare]		

Seq. No.	13280	Seq. ID	OJ991201_01.0103.C5
Gene No.	28243	Strand	-
Start	1167	End	3642
Name	OJ991201_01.0103.C5.o1.np	Method	AAT/NAP
Start	1167	End	3642
GI	3924594	Score	105

Exons 1167..1218, 3483..3642
GI Descrip. (AF069442) putative ribonucleoprotein [Arabidopsis thaliana] gi|4262139|gb|AAD14439| (AC005275) putative ribonucleoprotein [Arabidopsis thaliana]

Seq. No.	13280	Seq. ID	OJ991201_01.0103.C5
Gene No.	28244	Strand	-
Start	7516	End	11020
Name	OJ991201_01.0103.C5.o1.tm	Method	TBLASTX:Maize
Start	4218	End	6903
GI	none	Score	77
Exons	4218..4265, 4226..4264, 4350..4541, 4362..4535, 4388..4546, 4542..4871, 4596..4871, 5860..5934, 5865..5933, 6641..6850, 6641..6901, 6643..6903, 6643..6903		

Seq. No.	13280	Seq. ID	OJ991201_01.0103.C5
Gene No.	28244	Strand	-
Start	7516	End	11020
Name	OJ991201_01.0103.C5.o1.tc	Method	TBLASTX:Cress
Start	4350	End	4823
GI	none	Score	39
Exons	4350..4379, 4377..4577, 4457..4531, 4590..4823, 4593..4784		

Seq. No.	13280	Seq. ID	OJ991201_01.0103.C5
Gene No.	28244	Strand	-
Start	7516	End	11020
Name	OJ991201_01.0103.C5.o1.ts	Method	TBLASTX:Soybean
Start	4599	End	6898
GI	none	Score	312
Exons	4599..4871, 4658..4873, 5860..5934, 5874..5933, 6640..6894, 6641..6850, 6653..6898		

Seq. No.	13280	Seq. ID	OJ991201_01.0103.C5
Gene No.	28244	Strand	-
Start	7516	End	11020
Name	OJ991201_01.0103.C5.o1.tw	Method	TBLASTX:Wheat
Start	4790	End	6848
GI	none	Score	121
Exons	4790..4873, 4791..4871, 5860..5934, 5864..5932, 5865..5933, 6641..6847, 6641..6847, 6642..6848		

Seq. No.	13280	Seq. ID	OJ991201_01.0103.C5
Gene No.	28244	Strand	-
Start	7516	End	11020
Name	OJ991201_01.0103.C5.o3.tc	Method	TBLASTX:Cress
Start	5860	End	6905
GI	none	Score	111
Exons	5860..5934, 5865..5933, 6535..6612, 6641..6850, 6643..6894, 6735..6905		

Seq. No.	13280	Seq. ID	OJ991201_01.0103.C5
Gene No.	28244	Strand	-
Start	7516	End	11020
Name	OJ991201_01.0103.C5.o2.gs	Method	GENSCAN
Start	7516	End	11020
GI	none	Score	.93
Exons	7516..7756, 7836..8079, 8159..8357, 8582..8726, 8803..8909,		

9008..9296, 9632..9831, 10185..10293, 10885..11020

Seq. No.	13280	Seq. ID	OJ991201_01.0103.C5
Gene No.	28244	Strand	-
Start	7516	End	11020
Name	OJ991201_01.0103.C5.o2.tm	Method	TBLASTX:Maize
Start	7523	End	10988
GI	none	Score	98
Exons	7523..7642, 7528..7758, 7551..7772, 7568..7768, 7835..7882, 7865..8077, 7884..8078, 7885..8079, 7886..8080, 8002..8112, 8153..8224, 8154..8219, 8157..8228, 8158..8238, 8248..8334, 8250..8351, 8253..8360, 8255..8359, 8576..8662, 8580..8663, 8633..8683, 8661..8684, 8687..8728, 8770..8910, 8799..8912, 8800..8919, 8826..8912, 9006..9293, 9008..9298, 9036..9299, 9625..9768, 9626..9769, 9629..9769, 9887..9964, 9888..9995, 9889..10083, 9889..9963, 10175..10294, 10179..10325, 10185..10295, 10882..10986, 10884..10988		

Seq. No.	13280	Seq. ID	OJ991201_01.0103.C5
Gene No.	28244	Strand	-
Start	7516	End	11020
Name	OJ991201_01.0103.C5.o2.tc	Method	TBLASTX:Cress
Start	7534	End	8345
GI	none	Score	65
Exons	7534..7605, 7666..7758, 7835..7873, 7961..8044, 7962..8033, 8039..8071, 8157..8252, 8158..8256, 8256..8345		

Seq. No.	13280	Seq. ID	OJ991201_01.0103.C5
Gene No.	28244	Strand	-
Start	7516	End	11020
Name	OJ991201_01.0103.C5.o3.np	Method	AAT/NAP
Start	7567	End	10978
GI	4586244	Score	850
Exons	7567..7756, 7836..8079, 8159..8515, 8803..8909, 9008..9296, 9632..9726, 9889..10293, 10885..10978		
GI Descrip.	(AL049640) putative protein [Arabidopsis thaliana]		

Seq. No.	13280	Seq. ID	OJ991201_01.0103.C5
Gene No.	28244	Strand	-
Start	7516	End	11020
Name	OJ991201_01.0103.C5.o3.ts	Method	TBLASTX:Soybean
Start	7904	End	8351
GI	none	Score	82
Exons	7904..8041, 7907..8077, 7923..8078, 8157..8252, 8158..8256, 8259..8351		

Seq. No.	13280	Seq. ID	OJ991201_01.0103.C5
Gene No.	28244	Strand	-
Start	7516	End	11020
Name	OJ991201_01.0103.C5.o2.gp	Method	AAT/GAP
Start	8240	End	8912
GI	27688_1.R1084	Score	698
Exons	8240..8357, 8582..8726, 8803..8912		
GI Descrip.	'4586244/emb|CAB40985.1| 1.0e-12 (AL049640) putative protein [Arabidopsis thaliana]'		

Seq. No.	13280	Seq. ID	OJ991201_01.0103.C5

Gene No.	28244	Strand	-
Start	7516	End	11020
Name	OJ991201_01.0103.C5.o2.ts	Method	TBLASTX:Soybean
Start	8802	End	9286
GI	none	Score	68
Exons	8802..8867, 8802..8891, 9029..9286, 9034..9207, 9036..9284		

Seq. No.	13281	Seq. ID	OJ991201_01.0103.C6
Gene No.	28245	Strand	+
Start	954	End	4926
Name	OJ991201_01.0103.C6.o1.gs	Method	GENSCAN
Start	954	End	4926
GI	none	Score	.67
Exons	954..1023, 1180..1359, 1959..2006, 2835..2976, 3285..3399, 4322..4527, 4770..4926		

Seq. No.	13281	Seq. ID	OJ991201_01.0103.C6
Gene No.	28246	Strand	-
Start	6521	End	8127
Name	OJ991201_01.0103.C6.o1.gp	Method	AAT/GAP
Start	6340	End	8127
GI	63217_1.R1084	Score	1404
Exons	6340..6753, 7816..8127		
GI Descrip.	'3068705 8.0e-15 (AF049236) unknown [Arabidopsis thaliana]'		

Seq. No.	13281	Seq. ID	OJ991201_01.0103.C6
Gene No.	28246	Strand	-
Start	6521	End	8127
Name	OJ991201_01.0103.C6.o2.gs	Method	GENSCAN
Start	6521	End	8089
GI	none	Score	.89
Exons	6521..6753, 7816..8089		

Seq. No.	13281	Seq. ID	OJ991201_01.0103.C6
Gene No.	28247	Strand	-
Start	9729	End	12550
Name	OJ991201_01.0103.C6.o2.tm	Method	TBLASTX:Maize
Start	6581	End	7930
GI	none	Score	108
Exons	6581..6688, 6581..6751, 6673..6756, 7793..7891, 7907..7930		

Seq. No.	13281	Seq. ID	OJ991201_01.0103.C6
Gene No.	28247	Strand	-
Start	9729	End	12550
Name	OJ991201_01.0103.C6.o1.np	Method	AAT/NAP
Start	9729	End	12550
GI	3540201	Score	134
Exons	9729..9749, 12186..12550		
GI Descrip.	(AC004260) Putative nuclear protein [Arabidopsis thaliana]		

Seq. No.	13281	Seq. ID	OJ991201_01.0103.C6
Gene No.	28247	Strand	-
Start	9729	End	12550
Name	OJ991201_01.0103.C6.o1.tm	Method	TBLASTX:Maize
Start	12208	End	12400
GI	none	Score	118
Exons	12208..12291, 12209..12289, 12287..12400, 12318..12392		

Seq. No.	13281	Seq. ID	OJ991201_01.0103.C6
Gene No.	28247	Strand	-
Start	9729	End	12550
Name	OJ991201_01.0103.C6.o1.ts	Method	TBLASTX:Soybean
Start	12208	End	12412
GI	none	Score	83
Exons	12208..12291, 12209..12286, 12302..12388, 12302..12412, 12318..12392		

Seq. No.	13282	Seq. ID	OJ991101_08.0118.C1
Gene No.	28248	Strand	+
Start	528	End	689
Name	OJ991101_08.0118.C1.o1.gs	Method	GENSCAN
Start	528	End	689
GI	none	Score	.62
Exons	528..689		

Seq. No.	13283	Seq. ID	OJ991101_08.0118.C2
Gene No.	28249	Strand	-
Start	1	End	632
Name	OJ991101_08.0118.C2.o1.np	Method	AAT/NAP
Start	1	End	632
GI	6606266	Score	230
Exons	1..632		
GI Descrip.	(AF158634) Vrga1 [Triticum ventricosum]		

Seq. No.	13283	Seq. ID	OJ991101_08.0118.C2
Gene No.	28249	Strand	-
Start	1	End	632
Name	OJ991101_08.0118.C2.o1.gs	Method	GENSCAN
Start	14	End	452
GI	none	Score	.92
Exons	14..452		

Seq. No.	13284	Seq. ID	OJ991101_08.0118.C4
Gene No.	28250	Strand	+
Start	265	End	461
Name	OJ991101_08.0118.C4.o1.gp	Method	AAT/GAP
Start	265	End	461
GI	none	Score	324
Exons	265..461		

Seq. No.	13284	Seq. ID	OJ991101_08.0118.C4
Gene No.	28251	Strand	-
Start	334	End	1129
Name	OJ991101_08.0118.C4.o1.gs	Method	GENSCAN
Start	334	End	1129
GI	none	Score	.92
Exons	334..831, 983..1129		

Seq. No.	13285	Seq. ID	OJ991101_08.0118.C5
Gene No.	28252	Strand	+
Start	71	End	465
Name	OJ991101_08.0118.C5.o1.gs	Method	GENSCAN
Start	71	End	465
GI	none	Score	.54

Exons	71..465		
Seq. No.	13285	Seq. ID	OJ991101_08.0118.C5
Gene No.	28253	Strand	-
Start	1	End	637
Name	OJ991101_08.0118.C5.o1.np	Method	AAT/NAP
Start	1	End	637
GI	5852180	Score	464
Exons	1..461, 513..637		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	13286	Seq. ID	OJ991101_08.0118.C6
Gene No.	28254	Strand	+
Start	145	End	835
Name	OJ991101_08.0118.C6.o1.gs	Method	GENSCAN
Start	145	End	835
GI	none	Score	.84
Exons	145..305, 695..835		
Seq. No.	13287	Seq. ID	OJ991101_08.0118.C8
Gene No.	28255	Strand	+
Start	948	End	2573
Name	OJ991101_08.0118.C8.o1.gs	Method	GENSCAN
Start	948	End	2573
GI	none	Score	.44
Exons	948..1072, 1458..1603, 2519..2573		
Seq. No.	13287	Seq. ID	OJ991101_08.0118.C8
Gene No.	28256	Strand	-
Start	5155	End	6060
Name	OJ991101_08.0118.C8.o2.gs	Method	GENSCAN
Start	5155	End	6060
GI	none	Score	.69
Exons	5155..6060		
Seq. No.	13288	Seq. ID	OJ991101_08.0118.C9
Gene No.	28257	Strand	-
Start	1397	End	1801
Name	OJ991101_08.0118.C9.o1.gs	Method	GENSCAN
Start	1397	End	1801
GI	none	Score	.48
Exons	1397..1801		
Seq. No.	13289	Seq. ID	OJ991101_08.0118.C12
Gene No.	28258	Strand	+
Start	93	End	1712
Name	OJ991101_08.0118.C12.o1.gs	Method	GENSCAN
Start	93	End	1712
GI	none	Score	.56
Exons	93..202, 244..393, 464..526, 618..706, 987..1218, 1448..1563, 1657..1712		
Seq. No.	13289	Seq. ID	OJ991101_08.0118.C12
Gene No.	28259	Strand	-
Start	1970	End	2326
Name	OJ991101_08.0118.C12.o2.gs	Method	GENSCAN
Start	1970	End	2326

GI	none	Score	.99
Exons	1970..2326		

Seq. No.	13290	Seq. ID	OJ991101_08.0118.C13
Gene No.	28260	Strand	+
Start	168	End	328
Name	OJ991101_08.0118.C13.o1.gs	Method	GENSCAN
Start	168	End	328
GI	none	Score	.4
Exons	168..328		

Seq. No.	13291	Seq. ID	OJ991101_08.0118.C16
Gene No.	28261	Strand	+
Start	89	End	261
Name	OJ991101_08.0118.C16.o1.gp	Method	AAT/GAP
Start	89	End	261
GI	LIB3433-026-P1-K1-C1	Score	238
Exons	89..261		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	13291	Seq. ID	OJ991101_08.0118.C16
Gene No.	28262	Strand	+
Start	881	End	1672
Name	OJ991101_08.0118.C16.o1.gs	Method	GENSCAN
Start	881	End	1672
GI	none	Score	.94
Exons	881..1672		

Seq. No.	13291	Seq. ID	OJ991101_08.0118.C16
Gene No.	28262	Strand	+
Start	881	End	1672
Name	OJ991101_08.0118.C16.o1.np	Method	AAT/NAP
Start	881	End	1669
GI	4512231	Score	1257
Exons	881..1669		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	13292	Seq. ID	OJ991101_08.0118.C18
Gene No.	28263	Strand	+
Start	1	End	2680
Name	OJ991101_08.0118.C18.o1.np	Method	AAT/NAP
Start	1	End	407
GI	6069646	Score	197
Exons	1..407		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	13292	Seq. ID	OJ991101_08.0118.C18
Gene No.	28263	Strand	+
Start	1	End	2680
Name	OJ991101_08.0118.C18.o2.np	Method	AAT/NAP
Start	1	End	1741
GI	2943742	Score	391

Exons 1..25, 565..1741
GI Descrip. (AB002266) XA1 [Oryza sativa]

Seq. No. 13292 Seq. ID OJ991101_08.0118.C18
Gene No. 28263 Strand +
Start 1 End 2680
Name OJ991101_08.0118.C18.o1.gs Method GENSCAN
Start 102 End 2680
GI none Score .5
Exons 102..182, 262..324, 452..709, 1482..2043, 2677..2680

Seq. No. 13292 Seq. ID OJ991101_08.0118.C18
Gene No. 28264 Strand -
Start 3944 End 4381
Name OJ991101_08.0118.C18.o1.tm Method TBLASTX:Maize
Start 1 End 201
GI none Score 206
Exons 1..201

Seq. No. 13292 Seq. ID OJ991101_08.0118.C18
Gene No. 28264 Strand -
Start 3944 End 4381
Name OJ991101_08.0118.C18.o1.ts Method TBLASTX:Soybean
Start 583 End 1042
GI none Score 119
Exons 583..747, 770..946, 971..1042

Seq. No. 13292 Seq. ID OJ991101_08.0118.C18
Gene No. 28264 Strand -
Start 3944 End 4381
Name OJ991101_08.0118.C18.o2.gs Method GENSCAN
Start 3944 End 4381
GI none Score .61
Exons 3944..4381

Seq. No. 13293 Seq. ID OJ991101_08.0118.C19
Gene No. 28265 Strand +
Start 1 End 3362
Name OJ991101_08.0118.C19.o1.np Method AAT/NAP
Start 1 End 2611
GI 2943742 Score 134
Exons 1..43, 1474..1647, 1848..2209, 2575..2611
GI Descrip. (AB002266) XA1 [Oryza sativa]

Seq. No. 13293 Seq. ID OJ991101_08.0118.C19
Gene No. 28265 Strand +
Start 1 End 3362
Name OJ991101_08.0118.C19.o2.tm Method TBLASTX:Maize
Start 984 End 1685
GI none Score 50
Exons 984..1016, 1107..1226, 1230..1568, 1289..1399, 1439..1546, 1624..1677, 1635..1685

Seq. No. 13293 Seq. ID OJ991101_08.0118.C19
Gene No. 28265 Strand +
Start 1 End 3362
Name OJ991101_08.0118.C19.o1.gs Method GENSCAN

Start	1002	End	3362
GI	none	Score	.55
Exons	1002..2242, 3335..3362		

Seq. No.	13293	Seq. ID	OJ991101_08.0118.C19
Gene No.	28265	Strand	+
Start	1	End	3362
Name	OJ991101_08.0118.C19.o1.tm	Method	TBLASTX:Maize
Start	1785	End	2162
GI	none	Score	84
Exons	1785..1916, 1791..1913, 1916..2077, 1917..2162		

Seq. No.	13294	Seq. ID	OJ991101_08.0118.C20
Gene No.	28266	Strand	-
Start	644	End	786
Name	OJ991101_08.0118.C20.o1.gp	Method	AAT/GAP
Start	644	End	786
GI	21474_1.R1084	Score	256
Exons	644..786		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	13294	Seq. ID	OJ991101_08.0118.C20
Gene No.	28267	Strand	-
Start	1149	End	4861
Name	OJ991101_08.0118.C20.o1.gs	Method	GENSCAN
Start	1149	End	4846
GI	none	Score	.86
Exons	1149..1334, 1414..1512, 1607..1679, 1764..1874, 1971..2144, 2254..2939, 2941..3083, 3209..3350, 3425..3544, 3590..4624, 4691..4846		

Seq. No.	13294	Seq. ID	OJ991101_08.0118.C20
Gene No.	28267	Strand	-
Start	1149	End	4861
Name	OJ991101_08.0118.C20.o1.np	Method	AAT/NAP
Start	1167	End	4861
GI	4680204	Score	1063
Exons	1167..1304, 1655..1874, 1971..2144, 2254..3350, 3425..4861		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	13294	Seq. ID	OJ991101_08.0118.C20
Gene No.	28267	Strand	-
Start	1149	End	4861
Name	OJ991101_08.0118.C20.o2.tw	Method	TBLASTX:Wheat
Start	1805	End	2327
GI	none	Score	68
Exons	1805..1876, 1976..2158, 1983..2108, 2247..2327		

Seq. No.	13294	Seq. ID	OJ991101_08.0118.C20
Gene No.	28267	Strand	-
Start	1149	End	4861
Name	OJ991101_08.0118.C20.o1.tw	Method	TBLASTX:Wheat
Start	3815	End	4218
GI	none	Score	84
Exons	3815..3985, 3948..4115, 3980..4216, 4067..4216, 4078..4218, 4108..4218		

Seq. No.	13295	Seq. ID	OJ991101_08.0118.C21
Gene No.	28268	Strand	+
Start	1091	End	1980
Name	OJ991101_08.0118.C21.o2.gp	Method	AAT/GAP
Start	1091	End	1980
GI	101153_1.R1084	Score	1000
Exons	1091..1435, 1753..1980		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	13295	Seq. ID	OJ991101_08.0118.C21
Gene No.	28269	Strand	+
Start	1999	End	2426
Name	OJ991101_08.0118.C21.o3.gp	Method	AAT/GAP
Start	1999	End	2426
GI	2428185	Score	829
Exons	1999..2426		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	13295	Seq. ID	OJ991101_08.0118.C21
Gene No.	28270	Strand	+
Start	5218	End	5914
Name	OJ991101_08.0118.C21.o2.gs	Method	GENSCAN
Start	5218	End	5914
GI	none	Score	.8
Exons	5218..5336, 5770..5914		

Seq. No.	13295	Seq. ID	OJ991101_08.0118.C21
Gene No.	28271	Strand	+
Start	9857	End	10291
Name	OJ991101_08.0118.C21.o4.gs	Method	GENSCAN
Start	9857	End	10291
GI	none	Score	.98
Exons	9857..10291		

Seq. No.	13295	Seq. ID	OJ991101_08.0118.C21
Gene No.	28272	Strand	-
Start	1	End	4449
Name	OJ991101_08.0118.C21.o1.np	Method	AAT/NAP
Start	1	End	4001
GI	4680203	Score	976
Exons	1..22, 121..233, 3204..4001		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	13295	Seq. ID	OJ991101_08.0118.C21
Gene No.	28272	Strand	-
Start	1	End	4449
Name	OJ991101_08.0118.C21.o1.gp	Method	AAT/GAP
Start	116	End	245
GI	342_1.R1084	Score	202
Exons	116..245		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	13295	Seq. ID	OJ991101_08.0118.C21

Gene No.	28272	Strand	-
Start	1	End	4449
Name	OJ991101_08.0118.C21.o1.gs	Method	GENSCAN
Start	701	End	4001
GI	none	Score	.42
Exons	701..1336, 1351..1526, 2643..2747, 3308..4001		

Seq. No.	13295	Seq. ID	OJ991101_08.0118.C21
Gene No.	28272	Strand	-
Start	1	End	4449
Name	OJ991101_08.0118.C21.o5.gp	Method	AAT/GAP
Start	2954	End	3247
GI	61605_3.R1084	Score	465
Exons	2954..3247		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	13295	Seq. ID	OJ991101_08.0118.C21
Gene No.	28272	Strand	-
Start	1	End	4449
Name	OJ991101_08.0118.C21.o6.gp	Method	AAT/GAP
Start	3862	End	4449
GI	2310235	Score	300
Exons	3862..4001, 4412..4449		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	13295	Seq. ID	OJ991101_08.0118.C21
Gene No.	28273	Strand	-
Start	8563	End	8942
Name	OJ991101_08.0118.C21.o7.gp	Method	AAT/GAP
Start	8563	End	8942
GI	uC-osflcyp033a04b1	Score	633
Exons	8563..8942		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	13295	Seq. ID	OJ991101_08.0118.C21
Gene No.	28274	Strand	-
Start	11005	End	19190
Name	OJ991101_08.0118.C21.o3.ts	Method	TBLASTX:Soybean
Start	3237	End	3527
GI	none	Score	103
Exons	3237..3302, 3309..3527, 3313..3519		

Seq. No.	13295	Seq. ID	OJ991101_08.0118.C21
Gene No.	28274	Strand	-
Start	11005	End	19190
Name	OJ991101_08.0118.C21.o6.tw	Method	TBLASTX:Wheat
Start	3294	End	3650
GI	none	Score	158
Exons	3294..3551, 3299..3550, 3309..3560, 3310..3552, 3543..3650		

Seq. No.	13295	Seq. ID	OJ991101_08.0118.C21
Gene No.	28274	Strand	-
Start	11005	End	19190
Name	OJ991101_08.0118.C21.o2.np	Method	AAT/NAP

Start	11005	End	19190
GI	4680179	Score	4575
Exons	11005..12327, 16281..18363, 18397..18529, 18949..19190		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	13295	Seq. ID	OJ991101_08.0118.C21
Gene No.	28274	Strand	-
Start	11005	End	19190
Name	OJ991101_08.0118.C21.o7.tw	Method	TBLASTX:Wheat
Start	11050	End	11383
GI	none	Score	93
Exons	11050..11382, 11071..11379, 11114..11383		

Seq. No.	13295	Seq. ID	OJ991101_08.0118.C21
Gene No.	28274	Strand	-
Start	11005	End	19190
Name	OJ991101_08.0118.C21.o1.tm	Method	TBLASTX:Maize
Start	11230	End	11829
GI	none	Score	222
Exons	11230..11670, 11246..11668, 11620..11670, 11668..11829, 11675..11821, 11784..11825		

Seq. No.	13295	Seq. ID	OJ991101_08.0118.C21
Gene No.	28274	Strand	-
Start	11005	End	19190
Name	OJ991101_08.0118.C21.o1.tw	Method	TBLASTX:Wheat
Start	11383	End	12009
GI	none	Score	47
Exons	11383..12009, 11386..11508, 11495..11953		

Seq. No.	13295	Seq. ID	OJ991101_08.0118.C21
Gene No.	28274	Strand	-
Start	11005	End	19190
Name	OJ991101_08.0118.C21.o4.tm	Method	TBLASTX:Maize
Start	11878	End	12169
GI	none	Score	215
Exons	11878..12168, 11882..12169		

Seq. No.	13295	Seq. ID	OJ991101_08.0118.C21
Gene No.	28274	Strand	-
Start	11005	End	19190
Name	OJ991101_08.0118.C21.o2.ts	Method	TBLASTX:Soybean
Start	11967	End	12228
GI	none	Score	137
Exons	11967..12098, 11968..12228, 11969..12223		

Seq. No.	13295	Seq. ID	OJ991101_08.0118.C21
Gene No.	28274	Strand	-
Start	11005	End	19190
Name	OJ991101_08.0118.C21.o3.tw	Method	TBLASTX:Wheat
Start	12016	End	16458
GI	none	Score	240
Exons	12016..12330, 12017..12274, 12022..12336, 16263..16457, 16264..16458		

Seq. No.	13295	Seq. ID	OJ991101_08.0118.C21
Gene No.	28274	Strand	-

Start	11005	End	19190
Name	OJ991101_08.0118.C21.o8.gp	Method	AAT/GAP
Start	12902	End	13412
GI	LIB3434-038-P1-K1-F1	Score	743
Exons	12902..13412		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	13295	Seq. ID	OJ991101_08.0118.C21
Gene No.	28274	Strand	-
Start	11005	End	19190
Name	OJ991101_08.0118.C21.o2.tw	Method	TBLASTX:Wheat
Start	16458	End	16961
GI	none	Score	227
Exons	16458..16961, 16536..16898, 16540..16929		

Seq. No.	13295	Seq. ID	OJ991101_08.0118.C21
Gene No.	28274	Strand	-
Start	11005	End	19190
Name	OJ991101_08.0118.C21.o2.tm	Method	TBLASTX:Maize
Start	16527	End	16890
GI	none	Score	169
Exons	16527..16889, 16536..16889, 16540..16890		

Seq. No.	13295	Seq. ID	OJ991101_08.0118.C21
Gene No.	28274	Strand	-
Start	11005	End	19190
Name	OJ991101_08.0118.C21.o4.ts	Method	TBLASTX:Soybean
Start	16710	End	16955
GI	none	Score	98
Exons	16710..16955, 16711..16938		

Seq. No.	13295	Seq. ID	OJ991101_08.0118.C21
Gene No.	28274	Strand	-
Start	11005	End	19190
Name	OJ991101_08.0118.C21.o3.tm	Method	TBLASTX:Maize
Start	16926	End	17426
GI	none	Score	50
Exons	16926..17240, 16969..17019, 17047..17100, 17247..17426, 17299..17418		

Seq. No.	13295	Seq. ID	OJ991101_08.0118.C21
Gene No.	28274	Strand	-
Start	11005	End	19190
Name	OJ991101_08.0118.C21.o5.tw	Method	TBLASTX:Wheat
Start	16962	End	17264
GI	none	Score	250
Exons	16962..17264, 16978..17253		

Seq. No.	13295	Seq. ID	OJ991101_08.0118.C21
Gene No.	28274	Strand	-
Start	11005	End	19190
Name	OJ991101_08.0118.C21.o1.ts	Method	TBLASTX:Soybean
Start	16977	End	17372
GI	none	Score	185
Exons	16977..17336, 16978..17253, 17299..17334, 17340..17372, 17341..17370		

Seq. No.	13295	Seq. ID	OJ991101_08.0118.C21
Gene No.	28274	Strand	-
Start	11005	End	19190
Name	OJ991101_08.0118.C21.o4.tw	Method	TBLASTX:Wheat
Start	17313	End	17799
GI	none	Score	266
Exons	17313..17690, 17356..17799, 17410..17721		

Seq. No.	13295	Seq. ID	OJ991101_08.0118.C21
Gene No.	28274	Strand	-
Start	11005	End	19190
Name	OJ991101_08.0118.C21.o5.tm	Method	TBLASTX:Maize
Start	17494	End	17784
GI	none	Score	201
Exons	17494..17784, 17496..17783		

Seq. No.	13295	Seq. ID	OJ991101_08.0118.C21
Gene No.	28274	Strand	-
Start	11005	End	19190
Name	OJ991101_08.0118.C21.o8.tw	Method	TBLASTX:Wheat
Start	17964	End	18332
GI	none	Score	65
Exons	17964..18077, 17965..18078, 18123..18332, 18190..18276		

Seq. No.	13295	Seq. ID	OJ991101_08.0118.C21
Gene No.	28274	Strand	-
Start	11005	End	19190
Name	OJ991101_08.0118.C21.o6.tm	Method	TBLASTX:Maize
Start	18015	End	18365
GI	none	Score	191
Exons	18015..18365		

Seq. No.	13296	Seq. ID	OJ991101_08.0118.C22
Gene No.	28275	Strand	+
Start	1	End	2218
Name	OJ991101_08.0118.C22.o1.np	Method	AAT/NAP
Start	1	End	2215
GI	4680179	Score	3320
Exons	1..2215		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	13296	Seq. ID	OJ991101_08.0118.C22
Gene No.	28275	Strand	+
Start	1	End	2218
Name	OJ991101_08.0118.C22.o1.gs	Method	GENSCAN
Start	164	End	2218
GI	none	Score	.95
Exons	164..2218		

Seq. No.	13296	Seq. ID	OJ991101_08.0118.C22
Gene No.	28276	Strand	+
Start	2971	End	4542
Name	OJ991101_08.0118.C22.o2.np	Method	AAT/NAP
Start	2971	End	4542
GI	6063554	Score	157
Exons	2971..3155, 3254..3316, 4370..4542		

GI Descrip. (AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	13296	Seq. ID	OJ991101_08.0118.C22
Gene No.	28277	Strand	-
Start	706	End	7125
Name	OJ991101_08.0118.C22.o6.tw	Method	TBLASTX:Wheat
Start	1	End	211
GI	none	Score	279
Exons	1..210, 2..211, 44..211		

Seq. No.	13296	Seq. ID	OJ991101_08.0118.C22
Gene No.	28277	Strand	-
Start	706	End	7125
Name	OJ991101_08.0118.C22.o2.ts	Method	TBLASTX:Soybean
Start	2	End	196
GI	none	Score	246
Exons	2..196, 16..183		

Seq. No.	13296	Seq. ID	OJ991101_08.0118.C22
Gene No.	28277	Strand	-
Start	706	End	7125
Name	OJ991101_08.0118.C22.o4.tm	Method	TBLASTX:Maize
Start	22	End	277
GI	none	Score	286
Exons	22..276, 23..277		

Seq. No.	13296	Seq. ID	OJ991101_08.0118.C22
Gene No.	28277	Strand	-
Start	706	End	7125
Name	OJ991101_08.0118.C22.o3.tw	Method	TBLASTX:Wheat
Start	212	End	637
GI	none	Score	596
Exons	212..637, 214..630, 287..637		

Seq. No.	13296	Seq. ID	OJ991101_08.0118.C22
Gene No.	28277	Strand	-
Start	706	End	7125
Name	OJ991101_08.0118.C22.o3.ts	Method	TBLASTX:Soybean
Start	218	End	466
GI	none	Score	210
Exons	218..466		

Seq. No.	13296	Seq. ID	OJ991101_08.0118.C22
Gene No.	28277	Strand	-
Start	706	End	7125
Name	OJ991101_08.0118.C22.o2.tm	Method	TBLASTX:Maize
Start	284	End	637
GI	none	Score	467
Exons	284..637, 289..630		

Seq. No.	13296	Seq. ID	OJ991101_08.0118.C22
Gene No.	28277	Strand	-
Start	706	End	7125
Name	OJ991101_08.0118.C22.o2.tw	Method	TBLASTX:Wheat
Start	665	End	1204

GI	none	Score	626
Exons	665..1204, 847..1200, 923..1204		

Seq. No.	13296	Seq. ID	OJ991101_08.0118.C22
Gene No.	28277	Strand	-
Start	706	End	7125
Name	OJ991101_08.0118.C22.o3.np	Method	AAT/NAP
Start	706	End	6068
GI	4680179	Score	698
Exons	706..726, 5217..6068		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	13296	Seq. ID	OJ991101_08.0118.C22
Gene No.	28277	Strand	-
Start	706	End	7125
Name	OJ991101_08.0118.C22.o1.tc	Method	TBLASTX:Cress
Start	902	End	1228
GI	none	Score	90
Exons	902..1084, 1085..1228, 1087..1227		

Seq. No.	13296	Seq. ID	OJ991101_08.0118.C22
Gene No.	28277	Strand	-
Start	706	End	7125
Name	OJ991101_08.0118.C22.o1.ts	Method	TBLASTX:Soybean
Start	992	End	1252
GI	none	Score	301
Exons	992..1252, 1003..1251, 1004..1252		

Seq. No.	13296	Seq. ID	OJ991101_08.0118.C22
Gene No.	28277	Strand	-
Start	706	End	7125
Name	OJ991101_08.0118.C22.o3.tm	Method	TBLASTX:Maize
Start	1050	End	1342
GI	none	Score	86
Exons	1050..1151, 1051..1338, 1052..1342, 1184..1339		

Seq. No.	13296	Seq. ID	OJ991101_08.0118.C22
Gene No.	28277	Strand	-
Start	706	End	7125
Name	OJ991101_08.0118.C22.o1.tw	Method	TBLASTX:Wheat
Start	1211	End	1837
GI	none	Score	723
Exons	1211..1837, 1267..1719, 1777..1836		

Seq. No.	13296	Seq. ID	OJ991101_08.0118.C22
Gene No.	28277	Strand	-
Start	706	End	7125
Name	OJ991101_08.0118.C22.o1.tm	Method	TBLASTX:Maize
Start	1390	End	1975
GI	none	Score	229
Exons	1390..1545, 1391..1552, 1411..1554, 1549..1722, 1550..1975, 1709..1954, 1777..1974		

Seq. No.	13296	Seq. ID	OJ991101_08.0118.C22
Gene No.	28277	Strand	-
Start	706	End	7125
Name	OJ991101_08.0118.C22.o4.tw	Method	TBLASTX:Wheat

Start	1837	End	2170
GI	none	Score	312
Exons	1837..2118, 1838..2170, 2003..2149		

Seq. No.	13296	Seq. ID	OJ991101_08.0118.C22
Gene No.	28277	Strand	-
Start	706	End	7125
Name	OJ991101_08.0118.C22.o3.gs	Method	GENSCAN
Start	5127	End	7125
GI	none	Score	.87
Exons	5127..6065, 6230..6321, 6462..7125		

Seq. No.	13296	Seq. ID	OJ991101_08.0118.C22
Gene No.	28277	Strand	-
Start	706	End	7125
Name	OJ991101_08.0118.C22.o5.tm	Method	TBLASTX:Maize
Start	5280	End	5585
GI	none	Score	77
Exons	5280..5585, 5455..5571		

Seq. No.	13296	Seq. ID	OJ991101_08.0118.C22
Gene No.	28277	Strand	-
Start	706	End	7125
Name	OJ991101_08.0118.C22.o4.np	Method	AAT/NAP
Start	5307	End	7123
GI	4512231	Score	146
Exons	5307..5336, 6556..7123		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	13296	Seq. ID	OJ991101_08.0118.C22
Gene No.	28277	Strand	-
Start	706	End	7125
Name	OJ991101_08.0118.C22.o5.tw	Method	TBLASTX:Wheat
Start	5466	End	5826
GI	none	Score	141
Exons	5466..5825, 5467..5826		

Seq. No.	13297	Seq. ID	OJ991101_08.0118.C23
Gene No.	28278	Strand	+
Start	1	End	1808
Name	OJ991101_08.0118.C23.o1.np	Method	AAT/NAP
Start	1	End	1808
GI	4680179	Score	1602
Exons	1..1808		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	13297	Seq. ID	OJ991101_08.0118.C23
Gene No.	28278	Strand	+
Start	1	End	1808
Name	OJ991101_08.0118.C23.o1.gs	Method	GENSCAN
Start	36	End	1691
GI	none	Score	.45
Exons	36..1691		

Seq. No.	13297	Seq. ID	OJ991101_08.0118.C23
Gene No.	28278	Strand	+
Start	1	End	1808

Name	OJ991101_08.0118.C23.o3.tw	Method	TBLASTX:Wheat
Start	197	End	909
GI	none	Score	215
Exons	197..394, 198..395, 222..395, 865..909		

Seq. No.	13297	Seq. ID	OJ991101_08.0118.C23
Gene No.	28278	Strand	+
Start	1	End	1808
Name	OJ991101_08.0118.C23.o1.tw	Method	TBLASTX:Wheat
Start	446	End	797
GI	none	Score	306
Exons	446..619, 447..797, 595..663		

Seq. No.	13297	Seq. ID	OJ991101_08.0118.C23
Gene No.	28278	Strand	+
Start	1	End	1808
Name	OJ991101_08.0118.C23.o1.tm	Method	TBLASTX:Maize
Start	447	End	752
GI	none	Score	246
Exons	447..752, 473..553, 526..603		

Seq. No.	13297	Seq. ID	OJ991101_08.0118.C23
Gene No.	28278	Strand	+
Start	1	End	1808
Name	OJ991101_08.0118.C23.o2.tw	Method	TBLASTX:Wheat
Start	1299	End	1655
GI	none	Score	128
Exons	1299..1463, 1358..1426, 1488..1655, 1524..1646, 1526..1648		

Seq. No.	13297	Seq. ID	OJ991101_08.0118.C23
Gene No.	28278	Strand	+
Start	1	End	1808
Name	OJ991101_08.0118.C23.o2.tm	Method	TBLASTX:Maize
Start	1479	End	1676
GI	none	Score	198
Exons	1479..1676, 1517..1675		

Seq. No.	13298	Seq. ID	OJ991101_08.0118.C26
Gene No.	28279	Strand	+
Start	1	End	734
Name	OJ991101_08.0118.C26.o1.np	Method	AAT/NAP
Start	1	End	734
GI	2792220	Score	360
Exons	1..734		
GI Descrip.	(AF032688) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	13298	Seq. ID	OJ991101_08.0118.C26
Gene No.	28279	Strand	+
Start	1	End	734
Name	OJ991101_08.0118.C26.o1.gs	Method	GENSCAN
Start	46	End	396
GI	none	Score	.49
Exons	46..396		

Seq. No.	13298	Seq. ID	OJ991101_08.0118.C26
Gene No.	28279	Strand	+
Start	1	End	734

Name	OJ991101_08.0118.C26.o1.tm	Method	TBLASTX:Maize
Start	261	End	711
GI	none	Score	193
Exons	261..386, 262..633, 667..711		

Seq. No.	13298	Seq. ID	OJ991101_08.0118.C26
Gene No.	28279	Strand	+
Start	1	End	734
Name	OJ991101_08.0118.C26.o1.ts	Method	TBLASTX:Soybean
Start	283	End	591
GI	none	Score	226
Exons	283..591, 285..590		

Seq. No.	13299	Seq. ID	OJ991101_08.0118.C27
Gene No.	28280	Strand	+
Start	1	End	1405
Name	OJ991101_08.0118.C27.o1.np	Method	AAT/NAP
Start	1	End	1405
GI	2943742	Score	141
Exons	1..111, 736..901, 1005..1405		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	13299	Seq. ID	OJ991101_08.0118.C27
Gene No.	28280	Strand	+
Start	1	End	1405
Name	OJ991101_08.0118.C27.o1.tm	Method	TBLASTX:Maize
Start	115	End	743
GI	none	Score	44
Exons	115..141, 238..627, 384..632, 612..719, 637..723, 639..743, 668..724		

Seq. No.	13299	Seq. ID	OJ991101_08.0118.C27
Gene No.	28280	Strand	+
Start	1	End	1405
Name	OJ991101_08.0118.C27.o1.gs	Method	GENSCAN
Start	133	End	1139
GI	none	Score	.59
Exons	133..451, 901..1139		

Seq. No.	13300	Seq. ID	OJ991101_08.0118.C28
Gene No.	28281	Strand	-
Start	1048	End	1618
Name	OJ991101_08.0118.C28.o1.gs	Method	GENSCAN
Start	1048	End	1618
GI	none	Score	.49
Exons	1048..1408, 1426..1618		

Seq. No.	13301	Seq. ID	OJ991101_08.0118.C31
Gene No.	28282	Strand	-
Start	1565	End	1819
Name	OJ991101_08.0118.C31.o1.gs	Method	GENSCAN
Start	1565	End	1819
GI	none	Score	.68
Exons	1565..1690, 1796..1819		

Seq. No.	13302	Seq. ID	OJ991101_08.0118.C32
Gene No.	28283	Strand	+

Start	1	End	6411
Name	OJ991101_08.0118.C32.o4.np	Method	AAT/NAP
Start	1	End	4615
GI	2943742	Score	782
Exons	1..19, 2107..2281, 2711..4615		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	13302	Seq. ID	OJ991101_08.0118.C32
Gene No.	28283	Strand	+
Start	1	End	6411
Name	OJ991101_08.0118.C32.o1.gs	Method	GENSCAN
Start	694	End	6411
GI	none	Score	.63
Exons	694..745, 1111..1184, 2098..6411		

Seq. No.	13302	Seq. ID	OJ991101_08.0118.C32
Gene No.	28283	Strand	+
Start	1	End	6411
Name	OJ991101_08.0118.C32.o3.np	Method	AAT/NAP
Start	2674	End	4615
GI	2943742	Score	779
Exons	2674..4615		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	13302	Seq. ID	OJ991101_08.0118.C32
Gene No.	28283	Strand	+
Start	1	End	6411
Name	OJ991101_08.0118.C32.o2.np	Method	AAT/NAP
Start	2793	End	4008
GI	2792210	Score	637
Exons	2793..4008		
GI Descrip.	(AF032683) NBS-LRR type resistance protein [Hordeum vulgare]		

Seq. No.	13302	Seq. ID	OJ991101_08.0118.C32
Gene No.	28284	Strand	-
Start	859	End	1246
Name	OJ991101_08.0118.C32.o1.np	Method	AAT/NAP
Start	859	End	1243
GI	3746069	Score	77
Exons	859..1243		
GI Descrip.	(AC005311) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	13302	Seq. ID	OJ991101_08.0118.C32
Gene No.	28284	Strand	-
Start	859	End	1246
Name	OJ991101_08.0118.C32.o1.tw	Method	TBLASTX:Wheat
Start	891	End	1246
GI	none	Score	73
Exons	891..1076, 896..1120, 1054..1098, 1121..1246, 1122..1244		

Seq. No.	13302	Seq. ID	OJ991101_08.0118.C32
Gene No.	28285	Strand	
Start	2317	End	2796
Name	OJ991101_08.0118.C32.o2.tm	Method	TBLASTX:Maize
Start	2317	End	2796
GI	none	Score	198

Exons	2317..2553, 2369..2551, 2538..2663, 2572..2655, 2621..2776, 2694..2780, 2694..2789, 2695..2796		
Seq. No.	13302	Seq. ID	OJ991101_08.0118.C32
Gene No.	28286	Strand	
Start	2957	End	3330
Name	OJ991101_08.0118.C32.o1.tm	Method	TBLASTX:Maize
Start	2957	End	3330
GI	none	Score	221
Exons	2957..3328, 2957..3328, 2983..3330, 2986..3330		
Seq. No.	13302	Seq. ID	OJ991101_08.0118.C32
Gene No.	28287	Strand	
Start	3460	End	3942
Name	OJ991101_08.0118.C32.o3.tm	Method	TBLASTX:Maize
Start	3460	End	3915
GI	none	Score	195
Exons	3460..3762, 3784..3915		
Seq. No.	13302	Seq. ID	OJ991101_08.0118.C32
Gene No.	28287	Strand	
Start	3460	End	3942
Name	OJ991101_08.0118.C32.o1.ts	Method	TBLASTX:Soybean
Start	3478	End	3942
GI	none	Score	254
Exons	3478..3831, 3871..3942		
Seq. No.	13302	Seq. ID	OJ991101_08.0118.C32
Gene No.	28288	Strand	
Start	5125	End	5838
Name	OJ991101_08.0118.C32.o4.tm	Method	TBLASTX:Maize
Start	5125	End	5838
GI	none	Score	50
Exons	5125..5157, 5236..5502, 5248..5544, 5307..5540, 5514..5699, 5515..5700, 5516..5719, 5725..5838		
Seq. No.	13303	Seq. ID	OJ991101_08.0118.C33
Gene No.	28289	Strand	+
Start	1	End	1227
Name	OJ991101_08.0118.C33.o1.np	Method	AAT/NAP
Start	1	End	1227
GI	6815052	Score	395
Exons	1..69, 351..468, 766..936, 1186..1227		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		
Seq. No.	13303	Seq. ID	OJ991101_08.0118.C33
Gene No.	28289	Strand	+
Start	1	End	1227
Name	OJ991101_08.0118.C33.o1.gs	Method	GENSCAN
Start	27	End	472
GI	none	Score	.79
Exons	27..69, 351..472		
Seq. No.	13304	Seq. ID	OJ991101_08.0118.C34
Gene No.	28290	Strand	+
Start	1	End	2607
Name	OJ991101_08.0118.C34.o1.np	Method	AAT/NAP

Start	1	End	2604
GI	6815052	Score	1866
Exons	1..51, 252..344, 1127..1262, 1311..2048, 2130..2204, 2486..2604		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	13304	Seq. ID	OJ991101_08.0118.C34
Gene No.	28290	Strand	+
Start	1	End	2607
Name	OJ991101_08.0118.C34.o1.gs	Method	GENSCAN
Start	464	End	2607
GI	none	Score	.65
Exons	464..556, 1127..1262, 1311..2204, 2486..2607		

Seq. No.	13304	Seq. ID	OJ991101_08.0118.C34
Gene No.	28291	Strand	+
Start	4788	End	4841
Name	OJ991101_08.0118.C34.o1.gp	Method	AAT/GAP
Start	4788	End	4841
GI	uC-osflcyp111c03a1	Score	86
Exons	4788..4841		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 4.0e-11 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	13304	Seq. ID	OJ991101_08.0118.C34
Gene No.	28292	Strand	+
Start	4928	End	5087
Name	OJ991101_08.0118.C34.o2.gp	Method	AAT/GAP
Start	4928	End	5087
GI	uC-osflm202104a07b1	Score	143
Exons	4928..5087		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	13304	Seq. ID	OJ991101_08.0118.C34
Gene No.	28293	Strand	-
Start	3344	End	4121
Name	OJ991101_08.0118.C34.o1.tw	Method	TBLASTX:Wheat
Start	578	End	1072
GI	none	Score	314
Exons	578..1072, 602..868, 814..972		

Seq. No.	13304	Seq. ID	OJ991101_08.0118.C34
Gene No.	28293	Strand	-
Start	3344	End	4121
Name	OJ991101_08.0118.C34.o2.gs	Method	GENSCAN
Start	3344	End	4121
GI	none	Score	.52
Exons	3344..3395, 3488..3571, 3601..4121		

Seq. No.	13305	Seq. ID	OJ991101_08.0118.C35
Gene No.	28294	Strand	+
Start	3118	End	3884
Name	OJ991101_08.0118.C35.o2.gs	Method	GENSCAN
Start	3118	End	3884
GI	none	Score	.68
Exons	3118..3120, 3693..3884		

Seq. No.	13305	Seq. ID	OJ991101_08.0118.C35
Gene No.	28295	Strand	-
Start	873	End	3903
Name	OJ991101_08.0118.C35.o1.np	Method	AAT/NAP
Start	867	End	3903
GI	4895169	Score	477
Exons	867..916, 989..1444, 1583..1690, 1734..2025, 3864..3903		
GI Descrip.	(AC007662) putative helicase [Arabidopsis thaliana]		

Seq. No.	13305	Seq. ID	OJ991101_08.0118.C35
Gene No.	28295	Strand	-
Start	873	End	3903
Name	OJ991101_08.0118.C35.o1.gs	Method	GENSCAN
Start	873	End	2397
GI	none	Score	.58
Exons	873..1658, 1691..1802, 2027..2397		

Seq. No.	13305	Seq. ID	OJ991101_08.0118.C35
Gene No.	28295	Strand	-
Start	873	End	3903
Name	OJ991101_08.0118.C35.o1.tm	Method	TBLASTX:Maize
Start	1125	End	1465
GI	none	Score	333
Exons	1125..1436, 1126..1455, 1169..1465		

Seq. No.	13305	Seq. ID	OJ991101_08.0118.C35
Gene No.	28295	Strand	-
Start	873	End	3903
Name	OJ991101_08.0118.C35.o1.tc	Method	TBLASTX:Cress
Start	1200	End	1443
GI	none	Score	78
Exons	1200..1436, 1243..1443		

Seq. No.	13305	Seq. ID	OJ991101_08.0118.C35
Gene No.	28295	Strand	-
Start	873	End	3903
Name	OJ991101_08.0118.C35.o1.tw	Method	TBLASTX:Wheat
Start	1320	End	1683
GI	none	Score	153
Exons	1320..1544, 1321..1545, 1548..1682, 1549..1683		

Seq. No.	13305	Seq. ID	OJ991101_08.0118.C35
Gene No.	28295	Strand	-
Start	873	End	3903
Name	OJ991101_08.0118.C35.o2.tm	Method	TBLASTX:Maize
Start	1745	End	1999
GI	none	Score	79
Exons	1745..1906, 1791..1907, 1919..1999, 1920..1997		

Seq. No.	13306	Seq. ID	OJ991101_08.0118.C36
Gene No.	28296	Strand	-
Start	67	End	225
Name	OJ991101_08.0118.C36.o1.gs	Method	GENSCAN
Start	67	End	225
GI	none	Score	.72
Exons	67..225		

Seq. No.	13307	Seq. ID	OJ991101_08.0118.C37
Gene No.	28297	Strand	+
Start	1	End	1774
Name	OJ991101_08.0118.C37.o2.np	Method	AAT/NAP
Start	1	End	1774
GI	5295955	Score	226
Exons	1..222, 602..759, 1026..1095, 1633..1774		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	13307	Seq. ID	OJ991101_08.0118.C37
Gene No.	28298	Strand	-
Start	1	End	441
Name	OJ991101_08.0118.C37.o1.np	Method	AAT/NAP
Start	1	End	441
GI	2944437	Score	217
Exons	1..74, 111..441		
GI Descrip.	(AF051153) globulin 1 precursor [Oryza sativa]		

Seq. No.	13308	Seq. ID	OJ991101_08.0118.C38
Gene No.	28299	Strand	+
Start	1	End	671
Name	OJ991101_08.0118.C38.o1.np	Method	AAT/NAP
Start	1	End	671
GI	5295955	Score	323
Exons	1..59, 99..671		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	13308	Seq. ID	OJ991101_08.0118.C38
Gene No.	28300	Strand	-
Start	14	End	1070
Name	OJ991101_08.0118.C38.o1.gs	Method	GENSCAN
Start	14	End	1070
GI	none	Score	.62
Exons	14..172, 1028..1070		

Seq. No.	13308	Seq. ID	OJ991101_08.0118.C38
Gene No.	28301	Strand	-
Start	2100	End	2528
Name	OJ991101_08.0118.C38.o2.np	Method	AAT/NAP
Start	2100	End	2528
GI	6539570	Score	236
Exons	2100..2166, 2326..2528		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	13308	Seq. ID	OJ991101_08.0118.C38
Gene No.	28302	Strand	-
Start	2655	End	2734
Name	OJ991101_08.0118.C38.o3.np	Method	AAT/NAP
Start	2655	End	2734
GI	6630699	Score	86
Exons	2655..2734		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	13309	Seq. ID	OJ991101_08.0118.C39
Gene No.	28303	Strand	+
Start	1468	End	2673
Name	OJ991101_08.0118.C39.o2.tm	Method	TBLASTX:Maize
Start	1046	End	1474
GI	none	Score	177
Exons	1046..1327, 1090..1212, 1254..1361, 1317..1457, 1369..1464, 1369..1464, 1370..1474, 1373..1471		

Seq. No.	13309	Seq. ID	OJ991101_08.0118.C39
Gene No.	28303	Strand	+
Start	1468	End	2673
Name	OJ991101_08.0118.C39.o1.np	Method	AAT/NAP
Start	1468	End	2673
GI	2792210	Score	595
Exons	1468..2673		
GI Descrip.	(AF032683) NBS-LRR type resistance protein [Hordeum vulgare]		

Seq. No.	13309	Seq. ID	OJ991101_08.0118.C39
Gene No.	28303	Strand	+
Start	1468	End	2673
Name	OJ991101_08.0118.C39.o1.tm	Method	TBLASTX:Maize
Start	1631	End	2005
GI	none	Score	418
Exons	1631..2005, 1633..2004, 1637..2005		

Seq. No.	13309	Seq. ID	OJ991101_08.0118.C39
Gene No.	28303	Strand	+
Start	1468	End	2673
Name	OJ991101_08.0118.C39.o2.ts	Method	TBLASTX:Soybean
Start	1643	End	2119
GI	none	Score	65
Exons	1643..1699, 1687..1779, 1688..1801, 1826..1912, 1970..2119		

Seq. No.	13309	Seq. ID	OJ991101_08.0118.C39
Gene No.	28303	Strand	+
Start	1468	End	2673
Name	OJ991101_08.0118.C39.o3.tm	Method	TBLASTX:Maize
Start	2129	End	2584
GI	none	Score	187
Exons	2129..2437, 2131..2433, 2521..2583, 2540..2584		

Seq. No.	13309	Seq. ID	OJ991101_08.0118.C39
Gene No.	28303	Strand	+
Start	1468	End	2673
Name	OJ991101_08.0118.C39.o1.ts	Method	TBLASTX:Soybean
Start	2153	End	2617
GI	none	Score	224
Exons	2153..2515, 2155..2508, 2222..2515, 2525..2617		

Seq. No.	13310	Seq. ID	OJ991101_08.0118.C40
Gene No.	28304	Strand	+
Start	1	End	3780
Name	OJ991101_08.0118.C40.o1.np	Method	AAT/NAP
Start	1	End	3780
GI	5702196	Score	236
Exons	1..67, 609..1328, 2748..2904, 3752..3780		

GI Descrip. (AF107293) rust resistance protein [Zea mays]

Seq. No.	13310	Seq. ID	OJ991101_08.0118.C40
Gene No.	28304	Strand	+
Start	1	End	3780
Name	OJ991101_08.0118.C40.o2.np	Method	AAT/NAP
Start	1	End	1167
GI	2943742	Score	171
Exons	1..61, 614..1167		
GI Descrip.	(AB002266) XA1 [Oryza sativa]		

Seq. No.	13310	Seq. ID	OJ991101_08.0118.C40
Gene No.	28304	Strand	+
Start	1	End	3780
Name	OJ991101_08.0118.C40.o1.gs	Method	GENSCAN
Start	131	End	331
GI	none	Score	.84
Exons	131..136, 206..331		

Seq. No.	13310	Seq. ID	OJ991101_08.0118.C40
Gene No.	28304	Strand	+
Start	1	End	3780
Name	OJ991101_08.0118.C40.o2.gs	Method	GENSCAN
Start	810	End	2963
GI	none	Score	.57
Exons	810..2963		

Seq. No.	13310	Seq. ID	OJ991101_08.0118.C40
Gene No.	28305	Strand	+
Start	5168	End	6737
Name	OJ991101_08.0118.C40.o3.np	Method	AAT/NAP
Start	5168	End	6737
GI	5852179	Score	308
Exons	5168..5188, 6175..6396, 6471..6664, 6708..6737		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	13310	Seq. ID	OJ991101_08.0118.C40
Gene No.	28306	Strand	-
Start	4271	End	4557
Name	OJ991101_08.0118.C40.o1.gp	Method	AAT/GAP
Start	4271	End	4557
GI	61605_3.R1084	Score	335
Exons	4271..4557		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	13310	Seq. ID	OJ991101_08.0118.C40
Gene No.	28307	Strand	-
Start	5523	End	5773
Name	OJ991101_08.0118.C40.o3.tm	Method	TBLASTX:Maize
Start	1008	End	1286
GI	none	Score	187
Exons	1008..1286, 1019..1285		

Seq. No.	13310	Seq. ID	OJ991101_08.0118.C40
Gene No.	28307	Strand	-
Start	5523	End	5773

Name	OJ991101_08.0118.C40.o1.tm	Method	TBLASTX:Maize
Start	1677	End	2370
GI	none	Score	50
Exons	1677..1709, 1800..2303, 2006..2176, 2269..2370		

Seq. No.	13310	Seq. ID	OJ991101_08.0118.C40
Gene No.	28307	Strand	-
Start	5523	End	5773
Name	OJ991101_08.0118.C40.o2.tm	Method	TBLASTX:Maize
Start	2502	End	2877
GI	none	Score	44
Exons	2502..2573, 2565..2639, 2567..2638, 2636..2794, 2638..2877, 2640..2876, 2761..2877		

Seq. No.	13310	Seq. ID	OJ991101_08.0118.C40
Gene No.	28307	Strand	-
Start	5523	End	5773
Name	OJ991101_08.0118.C40.o2.gp	Method	AAT/GAP
Start	5523	End	5773
GI	101153_1.R1084	Score	397
Exons	5523..5773		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	13311	Seq. ID	OJ991101_08.0118.C41
Gene No.	28308	Strand	+
Start	1	End	4205
Name	OJ991101_08.0118.C41.o1.np	Method	AAT/NAP
Start	1	End	3067
GI	5852180	Score	559
Exons	1..31, 1436..1491, 2477..2594, 2646..3067		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	13311	Seq. ID	OJ991101_08.0118.C41
Gene No.	28308	Strand	+
Start	1	End	4205
Name	OJ991101_08.0118.C41.o1.gs	Method	GENSCAN
Start	71	End	219
GI	none	Score	.56
Exons	71..219		

Seq. No.	13311	Seq. ID	OJ991101_08.0118.C41
Gene No.	28308	Strand	+
Start	1	End	4205
Name	OJ991101_08.0118.C41.o2.np	Method	AAT/NAP
Start	2257	End	4205
GI	4680186	Score	212
Exons	2257..2314, 4001..4205		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	13311	Seq. ID	OJ991101_08.0118.C41
Gene No.	28309	Strand	-
Start	2156	End	4134
Name	OJ991101_08.0118.C41.o1.gp	Method	AAT/GAP
Start	1340	End	1723
GI	uC-osflcyp033a04b1	Score	669
Exons	1340..1723		

GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'

Seq. No.	13311	Seq. ID	OJ991101_08.0118.C41
Gene No.	28309	Strand	-
Start	2156	End	4134
Name	OJ991101_08.0118.C41.o2.gs	Method	GENSCAN
Start	2156	End	3954
GI	none	Score	.57
Exons	2156..2241, 2568..3046, 3869..3954		

Seq. No.	13311	Seq. ID	OJ991101_08.0118.C41
Gene No.	28309	Strand	-
Start	2156	End	4134
Name	OJ991101_08.0118.C41.o2.gp	Method	AAT/GAP
Start	3750	End	4134
GI	uC-osf1cyp033a04b1	Score	638
Exons	3750..4134		

GI Descrip. '6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'

Seq. No.	13312	Seq. ID	OJ991101_08.0118.C42
Gene No.	28310	Strand	+
Start	1	End	3819
Name	OJ991101_08.0118.C42.o1.np	Method	AAT/NAP
Start	1	End	3819
GI	5852180	Score	841
Exons	1..41, 736..843, 895..1309, 2018..2053, 3573..3819		

GI Descrip. (AL117265) zhb00010.1 [Oryza sativa]

Seq. No.	13312	Seq. ID	OJ991101_08.0118.C42
Gene No.	28310	Strand	+
Start	1	End	3819
Name	OJ991101_08.0118.C42.o1.gs	Method	GENSCAN
Start	727	End	2453
GI	none	Score	.84
Exons	727..843, 895..1304, 2224..2453		

Seq. No.	13312	Seq. ID	OJ991101_08.0118.C42
Gene No.	28311	Strand	-
Start	3173	End	3376
Name	OJ991101_08.0118.C42.o2.gs	Method	GENSCAN
Start	3173	End	3376
GI	none	Score	.54
Exons	3173..3376		

Seq. No.	13313	Seq. ID	OJ991101_08.0118.C43
Gene No.	28312	Strand	-
Start	246	End	604
Name	OJ991101_08.0118.C43.o1.gs	Method	GENSCAN
Start	246	End	604
GI	none	Score	.69
Exons	246..315, 552..604		

Seq. No.	13314	Seq. ID	OJ991101_08.0118.C44
Gene No.	28313	Strand	-
Start	1	End	335

Name	OJ991101_08.0118.C44.o1.np	Method	AAT/NAP
Start	1	End	335
GI	6539581	Score	105
Exons	1..30, 223..335		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	13315	Seq. ID	OJ991001_01.0119.C5
Gene No.	28314	Strand	-
Start	123	End	340
Name	OJ991001_01.0119.C5.o1.gs	Method	GENSCAN
Start	123	End	340
GI	none	Score	.8
Exons	123..340		

Seq. No.	13316	Seq. ID	OJ991001_01.0119.C6
Gene No.	28315	Strand	+
Start	6	End	63
Name	OJ991001_01.0119.C6.o1.gs	Method	GENSCAN
Start	6	End	63
GI	none	Score	.79
Exons	6..63		

Seq. No.	13317	Seq. ID	OJ991001_01.0119.C7
Gene No.	28316	Strand	-
Start	225	End	3243
Name	OJ991001_01.0119.C7.o1.gs	Method	GENSCAN
Start	225	End	3163
GI	none	Score	.62
Exons	225..977, 1163..1339, 2397..2584, 2728..3163		

Seq. No.	13317	Seq. ID	OJ991001_01.0119.C7
Gene No.	28316	Strand	-
Start	225	End	3243
Name	OJ991001_01.0119.C7.o1.tc	Method	TBLASTX:Cress
Start	225	End	2885
GI	none	Score	138
Exons	225..461, 226..456, 474..596, 475..537, 639..665, 639..662, 666..722, 780..929, 795..932, 936..1013, 937..1014, 1121..1345, 1122..1241, 2392..2463, 2397..2462, 2481..2597, 2482..2583, 2729..2884, 2784..2885		

Seq. No.	13317	Seq. ID	OJ991001_01.0119.C7
Gene No.	28316	Strand	-
Start	225	End	3243
Name	OJ991001_01.0119.C7.o3.tm	Method	TBLASTX:Maize
Start	225	End	345
GI	none	Score	116
Exons	225..344, 225..344, 226..345		

Seq. No.	13317	Seq. ID	OJ991001_01.0119.C7
Gene No.	28316	Strand	-
Start	225	End	3243
Name	OJ991001_01.0119.C7.o1.np	Method	AAT/NAP
Start	228	End	3243
GI	2317905	Score	1026
Exons	228..617, 690..1023, 1116..1195, 1268..1339, 2397..2584,		

	2728..2971, 3020..3243		
GI Descrip.	(U89959) bZIP-like protein [Arabidopsis thaliana]		
Seq. No.	13317	Seq. ID	OJ991001_01.0119.C7
Gene No.	28316	Strand	-
Start	225	End	3243
Name	OJ991001_01.0119.C7.o1.gp	Method	AAT/GAP
Start	307	End	599
GI	5803362	Score	542
Exons	307..599		
GI Descrip.	2317905 1.0e-25 (U89959) bZIP-like protein [Arabidopsis thaliana]		

Seq. No.	13317	Seq. ID	OJ991001_01.0119.C7
Gene No.	28316	Strand	-
Start	225	End	3243
Name	OJ991001_01.0119.C7.o1.ts	Method	TBLASTX:Soybean
Start	318	End	720
GI	5508980	Score	114
Exons	318..452, 319..453, 480..575, 558..719, 601..720		
GI Descrip.	2317905 1.0e-24 (U89959) bZIP-like protein [Arabidopsis thaliana]		

Seq. No.	13317	Seq. ID	OJ991001_01.0119.C7
Gene No.	28316	Strand	-
Start	225	End	3243
Name	OJ991001_01.0119.C7.o2.tm	Method	TBLASTX:Maize
Start	522	End	710
GI	none	Score	166
Exons	522..710, 522..710		

Seq. No.	13317	Seq. ID	OJ991001_01.0119.C7
Gene No.	28316	Strand	-
Start	225	End	3243
Name	OJ991001_01.0119.C7.o1.tm	Method	TBLASTX:Maize
Start	712	End	1339
GI	none	Score	333
Exons	712..1023, 714..1013, 716..1015, 1110..1316, 1114..1158, 1115..1339		

Seq. No.	13317	Seq. ID	OJ991001_01.0119.C7
Gene No.	28316	Strand	-
Start	225	End	3243
Name	OJ991001_01.0119.C7.o2.ts	Method	TBLASTX:Soybean
Start	870	End	2908
GI	none	Score	90
Exons	870..941, 936..1013, 937..1014, 941..1018, 1124..1345, 1128..1316, 1171..1341, 2392..2523, 2397..2462, 2481..2585, 2699..2908, 2784..2891		

Seq. No.	13317	Seq. ID	OJ991001_01.0119.C7
Gene No.	28316	Strand	-
Start	225	End	3243
Name	OJ991001_01.0119.C7.o2.gp	Method	AAT/GAP
Start	880	End	2882
GI	5005405	Score	1309
Exons	880..1023, 1116..1339, 2397..2584, 2728..2882		

GI Descrip. 600855 6.0e-54 (U17887) bZIP protein [Arabidopsis thaliana]

Seq. No.	13318	Seq. ID	OJ991001_01.0119.C9
Gene No.	28317	Strand	+
Start	548	End	839
Name	OJ991001_01.0119.C9.o1.gs	Method	GENSCAN
Start	548	End	839
GI	none	Score	.88
Exons	548..624, 647..839		

Seq. No.	13318	Seq. ID	OJ991001_01.0119.C9
Gene No.	28318	Strand	-
Start	1569	End	1976
Name	OJ991001_01.0119.C9.o2.gs	Method	GENSCAN
Start	1569	End	1976
GI	none	Score	.65
Exons	1569..1617, 1864..1976		

Seq. No.	13318	Seq. ID	OJ991001_01.0119.C9
Gene No.	28319	Strand	-
Start	2945	End	3387
Name	OJ991001_01.0119.C9.o1.np	Method	AAT/NAP
Start	2945	End	3387
GI	6815099	Score	86
Exons	2945..3064, 3310..3387		

GI Descrip. (AP001081) hypothetical protein [Oryza sativa]

Seq. No.	13319	Seq. ID	OJ991001_01.0119.C10
Gene No.	28320	Strand	-
Start	652	End	765
Name	OJ991001_01.0119.C10.o1.gs	Method	GENSCAN
Start	652	End	765
GI	none	Score	.89
Exons	652..765		

Seq. No.	13319	Seq. ID	OJ991001_01.0119.C10
Gene No.	28321	Strand	-
Start	2140	End	2216
Name	OJ991001_01.0119.C10.o2.gs	Method	GENSCAN
Start	2140	End	2216
GI	none	Score	.94
Exons	2140..2216		

Seq. No.	13320	Seq. ID	OJ991001_01.0119.C11
Gene No.	28322	Strand	+
Start	1	End	6354
Name	OJ991001_01.0119.C11.o1.np	Method	AAT/NAP
Start	1	End	1451
GI	2344900	Score	228
Exons	1..105, 426..624, 764..862, 1332..1451		

GI Descrip. (AC002388) putative ethylene response element binding protein (EREBP) [Arabidopsis thaliana]

Seq. No.	13320	Seq. ID	OJ991001_01.0119.C11
Gene No.	28322	Strand	+
Start	1	End	6354
Name	OJ991001_01.0119.C11.o1.gp	Method	AAT/GAP

Start	122	End	461
GI	none	Score	641
Exons	122..461		

Seq. No.	13320	Seq. ID	OJ991001_01.0119.C11
Gene No.	28322	Strand	+
Start	1	End	6354
Name	OJ991001_01.0119.C11.o1.gs	Method	GENSCAN
Start	174	End	3804
GI	none	Score	.75
Exons	174..905, 3079..3202, 3481..3594, 3716..3804		

Seq. No.	13320	Seq. ID	OJ991001_01.0119.C11
Gene No.	28322	Strand	+
Start	1	End	6354
Name	OJ991001_01.0119.C11.o3.gp	Method	AAT/GAP
Start	3498	End	5231
GI	LIB3433-046-P1-K1-G6	Score	385
Exons	3498..3594, 3716..3800, 4951..5002, 5098..5118, 5205..5231		
GI Descrip.	'3063637 9.0e-11 (AF056204) thioesterase homolog [Gossypium hirsutum]'		

Seq. No.	13320	Seq. ID	OJ991001_01.0119.C11
Gene No.	28322	Strand	+
Start	1	End	6354
Name	OJ991001_01.0119.C11.o2.np	Method	AAT/NAP
Start	3742	End	6015
GI	3063637	Score	226
Exons	3742..3800, 4951..5002, 5205..5258, 5741..5791, 5986..6015		
GI Descrip.	(AF056204) thioesterase homolog [Gossypium hirsutum]		

Seq. No.	13320	Seq. ID	OJ991001_01.0119.C11
Gene No.	28322	Strand	+
Start	1	End	6354
Name	OJ991001_01.0119.C11.o2.gs	Method	GENSCAN
Start	4750	End	6354
GI	none	Score	.46
Exons	4750..4791, 5205..5258, 5741..5791, 6262..6354		

Seq. No.	13320	Seq. ID	OJ991001_01.0119.C11
Gene No.	28323	Strand	-
Start	785	End	1264
Name	OJ991001_01.0119.C11.o1.tc	Method	TBLASTX:Cress
Start	426	End	614
GI	none	Score	227
Exons	426..614, 446..610		

Seq. No.	13320	Seq. ID	OJ991001_01.0119.C11
Gene No.	28323	Strand	-
Start	785	End	1264
Name	OJ991001_01.0119.C11.o1.tm	Method	TBLASTX:Maize
Start	426	End	620
GI	none	Score	249
Exons	426..620, 431..610		

Seq. No.	13320	Seq. ID	OJ991001_01.0119.C11
Gene No.	28323	Strand	-

Start	785	End	1264
Name	OJ991001_01.0119.C11.o1.ts	Method	TBLASTX:Soybean
Start	429	End	620
GI	none	Score	229
Exons	429..620, 446..526		

Seq. No.	13320	Seq. ID	OJ991001_01.0119.C11
Gene No.	28323	Strand	-
Start	785	End	1264
Name	OJ991001_01.0119.C11.o2.gp	Method	AAT/GAP
Start	785	End	1264
GI	none	Score	885
Exons	785..1264		

Seq. No.	13321	Seq. ID	OJ991001_01.0119.C12
Gene No.	28324	Strand	+
Start	1	End	6622
Name	OJ991001_01.0119.C12.o1.gp	Method	AAT/GAP
Start	1	End	1102
GI	LIB3434-048-P1-K1-H7	Score	481
Exons	1..51, 205..327, 846..938, 1045..1102		
GI Descrip.	'2245107/emb|CAB10529.1| 3.0e-36 (Z97343) thioesterase like protein [Arabidopsis thaliana]'		

Seq. No.	13321	Seq. ID	OJ991001_01.0119.C12
Gene No.	28324	Strand	+
Start	1	End	6622
Name	OJ991001_01.0119.C12.o1.np	Method	AAT/NAP
Start	1	End	4629
GI	2245107	Score	272
Exons	1..92, 175..327, 846..938, 1045..1180, 4598..4629		
GI Descrip.	(Z97343) thioesterase like protein [Arabidopsis thaliana]		

Seq. No.	13321	Seq. ID	OJ991001_01.0119.C12
Gene No.	28324	Strand	+
Start	1	End	6622
Name	OJ991001_01.0119.C12.o1.gs	Method	GENSCAN
Start	205	End	1230
GI	none	Score	.96
Exons	205..327, 846..938, 1045..1230		

Seq. No.	13321	Seq. ID	OJ991001_01.0119.C12
Gene No.	28324	Strand	+
Start	1	End	6622
Name	OJ991001_01.0119.C12.o2.gp	Method	AAT/GAP
Start	1239	End	1604
GI	4969077	Score	692
Exons	1239..1604		

Seq. No.	13321	Seq. ID	OJ991001_01.0119.C12
Gene No.	28324	Strand	+
Start	1	End	6622
Name	OJ991001_01.0119.C12.o2.gs	Method	GENSCAN
Start	2052	End	3552
GI	none	Score	.79
Exons	2052..2223, 2642..2769, 3041..3131, 3161..3552		

Seq. No.	13321	Seq. ID	OJ991001_01.0119.C12
Gene No.	28324	Strand	+
Start	1	End	6622
Name	OJ991001_01.0119.C12.o3.gs	Method	GENSCAN
Start	3968	End	6622
GI	none	Score	.5
Exons	3968..5271, 5396..5450, 5564..5634, 6080..6215, 6224..6622		

Seq. No.	13321	Seq. ID	OJ991001_01.0119.C12
Gene No.	28324	Strand	+
Start	1	End	6622
Name	OJ991001_01.0119.C12.o2.np	Method	AAT/NAP
Start	4346	End	6589
GI	2213632	Score	793
Exons	4346..5106, 6473..6589		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	13321	Seq. ID	OJ991001_01.0119.C12
Gene No.	28325	Strand	-
Start	7412	End	12135
Name	OJ991001_01.0119.C12.o1.tc	Method	TBLASTX:Cress
Start	205	End	1179
GI	none	Score	85
Exons	205..264, 271..327, 830..994, 846..956, 1044..1178, 1045..1179		

Seq. No.	13321	Seq. ID	OJ991001_01.0119.C12
Gene No.	28325	Strand	-
Start	7412	End	12135
Name	OJ991001_01.0119.C12.o2.tm	Method	TBLASTX:Maize
Start	205	End	1183
GI	none	Score	172
Exons	205..327, 205..327, 839..958, 846..956, 1041..1172, 1045..1179, 1106..1183		

Seq. No.	13321	Seq. ID	OJ991001_01.0119.C12
Gene No.	28325	Strand	-
Start	7412	End	12135
Name	OJ991001_01.0119.C12.o2.tw	Method	TBLASTX:Wheat
Start	4136	End	4510
GI	none	Score	234
Exons	4136..4510, 4210..4401		

Seq. No.	13321	Seq. ID	OJ991001_01.0119.C12
Gene No.	28325	Strand	-
Start	7412	End	12135
Name	OJ991001_01.0119.C12.o1.tm	Method	TBLASTX:Maize
Start	4301	End	4729
GI	none	Score	362
Exons	4301..4627, 4309..4626, 4631..4729, 4645..4728		

Seq. No.	13321	Seq. ID	OJ991001_01.0119.C12
Gene No.	28325	Strand	-
Start	7412	End	12135
Name	OJ991001_01.0119.C12.o1.tw	Method	TBLASTX:Wheat
Start	4645	End	5056
GI	none	Score	204
Exons	4645..4809, 4646..4819, 4652..4819, 4804..5001, 4811..5056,		

4919..5044

Seq. No.	13321	Seq. ID	OJ991001_01.0119.C12
Gene No.	28325	Strand	-
Start	7412	End	12135
Name	OJ991001_01.0119.C12.o4.tm	Method	TBLASTX:Maize
Start	4730	End	5068
GI	none	Score	231
Exons	4730..4963, 4822..4962, 5003..5068, 5003..5065		

Seq. No.	13321	Seq. ID	OJ991001_01.0119.C12
Gene No.	28325	Strand	-
Start	7412	End	12135
Name	OJ991001_01.0119.C12.o5.tm	Method	TBLASTX:Maize
Start	7385	End	12135
GI	none	Score	191
Exons	7385..7597, 7398..7589, 7535..7591, 7904..8032, 7913..7999, 7915..8001, 8172..8414, 8187..8408, 10738..10800, 10738..10803, 12017..12121, 12039..12131, 12042..12134, 12052..12135		

Seq. No.	13321	Seq. ID	OJ991001_01.0119.C12
Gene No.	28325	Strand	-
Start	7412	End	12135
Name	OJ991001_01.0119.C12.o4.gs	Method	GENSCAN
Start	7412	End	12134
GI	none	Score	.74
Exons	7412..7588, 7913..7997, 9495..9670, 10738..10801, 11288..11362, 12040..12134		

Seq. No.	13321	Seq. ID	OJ991001_01.0119.C12
Gene No.	28325	Strand	-
Start	7412	End	12135
Name	OJ991001_01.0119.C12.o3.np	Method	AAT/NAP
Start	7415	End	12134
GI	2344894	Score	765
Exons	7415..7588, 7913..7997, 8185..8406, 9495..9670, 10738..10801, 12040..12134		
GI Descrip.	(AC002388) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13321	Seq. ID	OJ991001_01.0119.C12
Gene No.	28325	Strand	-
Start	7412	End	12135
Name	OJ991001_01.0119.C12.o3.tm	Method	TBLASTX:Maize
Start	9484	End	9676
GI	none	Score	232
Exons	9484..9672, 9491..9676, 9492..9671		

Seq. No.	13321	Seq. ID	OJ991001_01.0119.C12
Gene No.	28325	Strand	-
Start	7412	End	12135
Name	OJ991001_01.0119.C12.o1.ts	Method	TBLASTX:Soybean
Start	9486	End	10804
GI	none	Score	187
Exons	9486..9692, 9494..9673, 9557..9652, 10736..10804, 10738..10803		

Seq. No.	13321	Seq. ID	OJ991001_01.0119.C12
Gene No.	28325	Strand	-

Start	7412	End	12135
Name	OJ991001_01.0119.C12.o3.gp	Method	AAT/GAP
Start	9494	End	9794
GI	426268	Score	581
Exons	9494..9794		
GI Descrip.	2344894 2.0e-17 (AC002388) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13322	Seq. ID	OJ991001_01.0119.C13
Gene No.	28326	Strand	-
Start	1	End	3110
Name	OJ991001_01.0119.C13.o1.np	Method	AAT/NAP
Start	1	End	3110
GI	2344894	Score	1881
Exons	1..140, 250..377, 1036..1167, 1269..1349, 1436..1594, 1692..2941, 2984..3110		
GI Descrip.	(AC002388) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13322	Seq. ID	OJ991001_01.0119.C13
Gene No.	28326	Strand	-
Start	1	End	3110
Name	OJ991001_01.0119.C13.o1.tm	Method	TBLASTX:Maize
Start	50	End	2053
GI	none	Score	65
Exons	50..148, 50..145, 51..134, 51..137, 1040..1165, 1041..1166, 1051..1167, 1267..1332, 1269..1313, 1270..1350, 1311..1343, 1411..1518, 1427..1594, 1436..1597, 1451..1579, 1505..1594, 1677..2045, 1687..2034, 1733..2053		

Seq. No.	13322	Seq. ID	OJ991001_01.0119.C13
Gene No.	28326	Strand	-
Start	1	End	3110
Name	OJ991001_01.0119.C13.o2.ts	Method	TBLASTX:Soybean
Start	50	End	1167
GI	none	Score	120
Exons	50..145, 50..145, 51..158, 51..134, 52..165, 246..380, 248..388, 1030..1167, 1037..1126, 1060..1131		

Seq. No.	13322	Seq. ID	OJ991001_01.0119.C13
Gene No.	28326	Strand	-
Start	1	End	3110
Name	OJ991001_01.0119.C13.o1.gs	Method	GENSCAN
Start	53	End	3110
GI	none	Score	.93
Exons	53..140, 250..377, 1036..1167, 1269..1349, 1382..1594, 1692..3110		

Seq. No.	13322	Seq. ID	OJ991001_01.0119.C13
Gene No.	28326	Strand	-
Start	1	End	3110
Name	OJ991001_01.0119.C13.o1.ts	Method	TBLASTX:Soybean
Start	1448	End	1597
GI	none	Score	120
Exons	1448..1597, 1449..1547, 1457..1597		

Seq. No.	13322	Seq. ID	OJ991001_01.0119.C13
Gene No.	28326	Strand	-

Start	1	End	3110
Name	OJ991001_01.0119.C13.o2.tm	Method	TBLASTX:Maize
Start	2604	End	2903
GI	none	Score	102
Exons	2604..2690, 2604..2663, 2737..2763, 2763..2903, 2821..2898		

Seq. No.	13323	Seq. ID	OJ991001_01.0119.C14
Gene No.	28327	Strand	-
Start	1	End	2760
Name	OJ991001_01.0119.C14.o1.gp	Method	AAT/GAP
Start	1	End	385
GI	none	Score	746
Exons	1..385		

Seq. No.	13323	Seq. ID	OJ991001_01.0119.C14
Gene No.	28327	Strand	-
Start	1	End	2760
Name	OJ991001_01.0119.C14.o1.gs	Method	GENSCAN
Start	171	End	2760
GI	none	Score	.67
Exons	171..559, 922..1032, 1175..1259, 1353..1574, 2272..2760		

Seq. No.	13323	Seq. ID	OJ991001_01.0119.C14
Gene No.	28327	Strand	-
Start	1	End	2760
Name	OJ991001_01.0119.C14.o1.tc	Method	TBLASTX:Cress
Start	192	End	485
GI	none	Score	66
Exons	192..245, 222..305, 228..341, 241..342, 369..485		

Seq. No.	13323	Seq. ID	OJ991001_01.0119.C14
Gene No.	28327	Strand	-
Start	1	End	2760
Name	OJ991001_01.0119.C14.o1.ts	Method	TBLASTX:Soybean
Start	192	End	406
GI	none	Score	156
Exons	192..245, 234..401, 238..402, 242..406		

Seq. No.	13323	Seq. ID	OJ991001_01.0119.C14
Gene No.	28327	Strand	-
Start	1	End	2760
Name	OJ991001_01.0119.C14.o1.tm	Method	TBLASTX:Maize
Start	279	End	2686
GI	none	Score	298
Exons	279..560, 280..561, 920..1018, 921..1019, 1013..1036, 1014..1034, 1176..1295, 1177..1281, 1342..1575, 1350..1577, 1351..1575, 1353..1577, 2261..2326, 2269..2676, 2270..2674, 2271..2684, 2271..2678, 2366..2686		

Seq. No.	13323	Seq. ID	OJ991001_01.0119.C14
Gene No.	28327	Strand	-
Start	1	End	2760
Name	OJ991001_01.0119.C14.o2.tc	Method	TBLASTX:Cress
Start	489	End	1470
GI	none	Score	98
Exons	489..530, 920..1066, 921..1022, 1203..1280, 1210..1269, 1342..1470, 1353..1469		

Seq. No.	13324	Seq. ID	OJ991001_01.0119.C16
Gene No.	28328	Strand	+
Start	54	End	1304
Name	OJ991001_01.0119.C16.o1.gs	Method	GENSCAN
Start	54	End	1304
GI	none	Score	.42
Exons	54..208, 503..561, 1209..1304		

Seq. No.	13324	Seq. ID	OJ991001_01.0119.C16
Gene No.	28329	Strand	+
Start	2510	End	11819
Name	OJ991001_01.0119.C16.o2.gs	Method	GENSCAN
Start	2510	End	11819
GI	none	Score	.67
Exons	2510..2834, 3099..3187, 3336..3411, 3664..3688, 4281..4509, 4661..4699, 5035..5115, 5360..5458, 5748..6070, 6163..6590, 6682..6755, 7384..8358, 8532..8598, 8680..8742, 10032..10511, 10594..10655, 10735..10844, 10929..11016, 11143..11472, 11697..11819		

Seq. No.	13324	Seq. ID	OJ991001_01.0119.C16
Gene No.	28329	Strand	+
Start	2510	End	11819
Name	OJ991001_01.0119.C16.o1.gp	Method	AAT/GAP
Start	4174	End	5477
GI	none	Score	1440
Exons	4174..4509, 4661..4699, 5035..5477		

Seq. No.	13324	Seq. ID	OJ991001_01.0119.C16
Gene No.	28329	Strand	+
Start	2510	End	11819
Name	OJ991001_01.0119.C16.o1.np	Method	AAT/NAP
Start	8174	End	11425
GI	2245054	Score	692
Exons	8174..8272, 8542..8598, 8916..8979, 9077..9170, 9267..9350, 9438..9527, 9623..9654, 10030..10498, 10735..10788, 11143..11425		
GI Descrip.	(Z97342) kinase like protein [Arabidopsis thaliana]		

Seq. No.	13324	Seq. ID	OJ991001_01.0119.C16
Gene No.	28330	Strand	+
Start	13398	End	15471
Name	OJ991001_01.0119.C16.o2.gp	Method	AAT/GAP
Start	13102	End	15471
GI	10410_1.R1084	Score	2259
Exons	13102..13763, 14940..15471		
GI Descrip.	'4455256/emb|CAB36755.1| 1.0e-83 (AL035523) protein-methionine-S-oxide reductase [Arabidopsis thaliana]'		

Seq. No.	13324	Seq. ID	OJ991001_01.0119.C16
Gene No.	28330	Strand	+
Start	13398	End	15471
Name	OJ991001_01.0119.C16.o2.np	Method	AAT/NAP
Start	13114	End	15188
GI	6635341	Score	805
Exons	13114..13276, 13398..13763, 14940..15188		
GI Descrip.	(AF162204) methionine sulfoxide reductase [Lactuca sativa]		

Seq. No.	13324	Seq. ID	OJ991001_01.0119.C16
Gene No.	28330	Strand	+
Start	13398	End	15471
Name	OJ991001_01.0119.C16.o3.gs	Method	GENSCAN
Start	13398	End	15191
GI	none	Score	.93
Exons	13398..13763, 14240..14368, 14940..15191		

Seq. No.	13324	Seq. ID	OJ991001_01.0119.C16
Gene No.	28331	Strand	+
Start	21737	End	25914
Name	OJ991001_01.0119.C16.o6.gs	Method	GENSCAN
Start	21737	End	25914
GI	none	Score	.85
Exons	21737..21749, 22150..22318, 22895..22978, 24853..25035, 25127..25271, 25756..25914		

Seq. No.	13324	Seq. ID	OJ991001_01.0119.C16
Gene No.	28332	Strand	+
Start	26977	End	27084
Name	OJ991001_01.0119.C16.o7.gs	Method	GENSCAN
Start	26977	End	27084
GI	none	Score	.96
Exons	26977..27084		

Seq. No.	13324	Seq. ID	OJ991001_01.0119.C16
Gene No.	28333	Strand	-
Start	1	End	27098
Name	OJ991001_01.0119.C16.o4.np	Method	AAT/NAP
Start	1	End	27098
GI	5734709	Score	211
Exons	1..319, 2484..2634, 13411..13480, 20366..20562, 26985..27098		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	13324	Seq. ID	OJ991001_01.0119.C16
Gene No.	28333	Strand	-
Start	1	End	27098
Name	OJ991001_01.0119.C16.o3.ts	Method	TBLASTX:Soybean
Start	107	End	252
GI	none	Score	79
Exons	107..238, 118..252		

Seq. No.	13324	Seq. ID	OJ991001_01.0119.C16
Gene No.	28333	Strand	-
Start	1	End	27098
Name	OJ991001_01.0119.C16.o2.tw	Method	TBLASTX:Wheat
Start	8284	End	9336
GI	none	Score	82
Exons	8284..8358, 8288..8398, 8529..8567, 8529..8606, 8530..8598, 8671..8742, 8675..8743, 8675..8743, 8676..8744, 8677..8745, 8903..8980, 8910..8978, 8915..9007, 9048..9173, 9061..9171, 9078..9173, 9280..9336, 9288..9335		

Seq. No.	13324	Seq. ID	OJ991001_01.0119.C16
Gene No.	28333	Strand	-

Start	1	End	27098
Name	OJ991001_01.0119.C16.o3.tm	Method	TBLASTX:Maize
Start	10965	End	11385
GI	none	Score	96
Exons	10965..11027, 10966..11016, 11164..11385, 11168..11329, 11169..11381		

Seq. No.	13324	Seq. ID	OJ991001_01.0119.C16
Gene No.	28333	Strand	-
Start	1	End	27098
Name	OJ991001_01.0119.C16.o1.tm	Method	TBLASTX:Maize
Start	13394	End	13733
GI	none	Score	451
Exons	13394..13732, 13395..13733		

Seq. No.	13324	Seq. ID	OJ991001_01.0119.C16
Gene No.	28333	Strand	-
Start	1	End	27098
Name	OJ991001_01.0119.C16.o1.tc	Method	TBLASTX:Cress
Start	13476	End	15316
GI	none	Score	418
Exons	13476..13766, 13478..13768, 14927..15187, 14940..15191, 15263..15316		

Seq. No.	13324	Seq. ID	OJ991001_01.0119.C16
Gene No.	28333	Strand	-
Start	1	End	27098
Name	OJ991001_01.0119.C16.o1.ts	Method	TBLASTX:Soybean
Start	13476	End	15222
GI	none	Score	411
Exons	13476..13763, 13478..13654, 14912..15187, 14925..15206, 15079..15222		

Seq. No.	13324	Seq. ID	OJ991001_01.0119.C16
Gene No.	28333	Strand	-
Start	1	End	27098
Name	OJ991001_01.0119.C16.o3.gp	Method	AAT/GAP
Start	16325	End	18850
GI	16860_1.R1084	Score	1400
Exons	16325..16675, 17971..18202, 18497..18545, 18635..18761, 18819..18850		
GI Descrip.	'2498077/sp|P93554|NDK1_SACOF 1.0e-73 NUCLEOSIDE DIPHOSPHATE KINASE I (NDK I) (NDP KINASE I) (PP18) >gi_1777930 (U55019) nucleoside diphosphate kinase [Saccharum officinarum]'		

Seq. No.	13324	Seq. ID	OJ991001_01.0119.C16
Gene No.	28333	Strand	-
Start	1	End	27098
Name	OJ991001_01.0119.C16.o2.tm	Method	TBLASTX:Maize
Start	16557	End	18707
GI	none	Score	68
Exons	16557..16628, 16564..16677, 16565..16678, 17967..18203, 17969..18016, 17970..18029, 17971..18204, 18498..18545, 18499..18546, 18632..18688, 18636..18707		

Seq. No.	13324	Seq. ID	OJ991001_01.0119.C16
Gene No.	28333	Strand	-

Start	1	End	27098
Name	OJ991001_01.0119.C16.o2.tc	Method	TBLASTX:Cress
Start	16558	End	18685
GI	none	Score	121
Exons	16558..16677, 16563..16682, 16565..16678, 16567..16680, 17967..18200, 17971..18198, 18495..18545, 18496..18546, 18632..18685, 18639..18683		

Seq. No.	13324	Seq. ID	OJ991001_01.0119.C16
Gene No.	28333	Strand	-
Start	1	End	27098
Name	OJ991001_01.0119.C16.o4.gs	Method	GENSCAN
Start	16558	End	18691
GI	none	Score	.91
Exons	16558..16675, 17971..18202, 18497..18545, 18635..18691		

Seq. No.	13324	Seq. ID	OJ991001_01.0119.C16
Gene No.	28333	Strand	-
Start	1	End	27098
Name	OJ991001_01.0119.C16.o3.np	Method	AAT/NAP
Start	16561	End	18685
GI	2498077	Score	602
Exons	16561..16675, 17971..18202, 18497..18545, 18635..18685		
GI Descrip.	NUCLEOSIDE DIPHOSPHATE KINASE I (NDK I) (NDP KINASE I) (PP18) gi|1777930 (U55019) nucleoside diphosphate kinase [Saccharum officinarum]		

Seq. No.	13324	Seq. ID	OJ991001_01.0119.C16
Gene No.	28333	Strand	-
Start	1	End	27098
Name	OJ991001_01.0119.C16.o2.ts	Method	TBLASTX:Soybean
Start	16564	End	18200
GI	none	Score	133
Exons	16564..16677, 16565..16678, 16566..16703, 17967..18200, 17971..18198		

Seq. No.	13324	Seq. ID	OJ991001_01.0119.C16
Gene No.	28333	Strand	-
Start	1	End	27098
Name	OJ991001_01.0119.C16.o1.tw	Method	TBLASTX:Wheat
Start	18001	End	18692
GI	none	Score	280
Exons	18001..18198, 18003..18200, 18484..18546, 18495..18545, 18632..18688, 18635..18688, 18636..18692		

Seq. No.	13324	Seq. ID	OJ991001_01.0119.C16
Gene No.	28333	Strand	-
Start	1	End	27098
Name	OJ991001_01.0119.C16.o5.gs	Method	GENSCAN
Start	20210	End	20848
GI	none	Score	1
Exons	20210..20848		

Seq. No.	13324	Seq. ID	OJ991001_01.0119.C16
Gene No.	28333	Strand	-
Start	1	End	27098
Name	OJ991001_01.0119.C16.o4.tm	Method	TBLASTX:Maize

Start	20216	End	20737
GI	none	Score	43
Exons	20216..20275, 20221..20256, 20321..20380, 20340..20402, 20519..20737, 20520..20654, 20648..20689		

Seq. No.	13324	Seq. ID	OJ991001_01.0119.C16
Gene No.	28333	Strand	-
Start	1	End	27098
Name	OJ991001_01.0119.C16.o4.gp	Method	AAT/GAP
Start	20493	End	20901
GI	426975	Score	547
Exons	20493..20688, 20766..20901		

Seq. No.	13325	Seq. ID	OJ991001_01.0119.C17
Gene No.	28334	Strand	+
Start	1	End	1408
Name	OJ991001_01.0119.C17.o1.np	Method	AAT/NAP
Start	1	End	1384
GI	3341694	Score	276
Exons	1..64, 1124..1384		
GI Descrip.	(AC003672) putative PREG1-like negative regulator [Arabidopsis thaliana]		

Seq. No.	13325	Seq. ID	OJ991001_01.0119.C17
Gene No.	28334	Strand	+
Start	1	End	1408
Name	OJ991001_01.0119.C17.o1.gs	Method	GENSCAN
Start	681	End	1408
GI	none	Score	.64
Exons	681..833, 1120..1408		

Seq. No.	13325	Seq. ID	OJ991001_01.0119.C17
Gene No.	28335	Strand	+
Start	4544	End	6799
Name	OJ991001_01.0119.C17.o2.tm	Method	TBLASTX:Maize
Start	1	End	1347
GI	none	Score	77
Exons	1..63, 2..61, 1096..1233, 1121..1297, 1121..1294, 1168..1347		

Seq. No.	13325	Seq. ID	OJ991001_01.0119.C17
Gene No.	28335	Strand	+
Start	4544	End	6799
Name	OJ991001_01.0119.C17.o2.np	Method	AAT/NAP
Start	4544	End	6799
GI	4538929	Score	280
Exons	4544..4610, 5647..5939, 6691..6799		
GI Descrip.	(AL049483) putative nucleic acid binding protein [Arabidopsis thaliana]		

Seq. No.	13325	Seq. ID	OJ991001_01.0119.C17
Gene No.	28335	Strand	+
Start	4544	End	6799
Name	OJ991001_01.0119.C17.o1.gp	Method	AAT/GAP
Start	5573	End	5857
GI	uC-osflcyp139h11b1	Score	546
Exons	5573..5857		
GI Descrip.	'4538929/emb|CAB39665.1| 7.0e-27 (AL049483) putative nucleic		

acid binding protein [Arabidopsis thaliana]'

Seq. No.	13325	Seq. ID	OJ991001_01.0119.C17
Gene No.	28335	Strand	+
Start	4544	End	6799
Name	OJ991001_01.0119.C17.o1.tm	Method	TBLASTX:Maize
Start	5771	End	6797
GI	none	Score	287
Exons	5771..5788, 5772..5942, 5796..5825, 5852..5941, 6691..6795, 6691..6795, 6705..6797		

Seq. No.	13325	Seq. ID	OJ991001_01.0119.C17
Gene No.	28335	Strand	+
Start	4544	End	6799
Name	OJ991001_01.0119.C17.o1.ts	Method	TBLASTX:Soybean
Start	5772	End	6786
GI	none	Score	239
Exons	5772..5942, 5855..5941, 6691..6786		

Seq. No.	13326	Seq. ID	OJ991001_01.0119.C18
Gene No.	28336	Strand	+
Start	552	End	4620
Name	OJ991001_01.0119.C18.o1.gp	Method	AAT/GAP
Start	552	End	1010
GI	700729	Score	709
Exons	552..709, 787..1010		
GI Descrip.	4538929/emb|CAB39665.1| 7.0e-27 (AL049483) putative nucleic acid binding protein [Arabidopsis thaliana]		

Seq. No.	13326	Seq. ID	OJ991001_01.0119.C18
Gene No.	28336	Strand	+
Start	552	End	4620
Name	OJ991001_01.0119.C18.o1.np	Method	AAT/NAP
Start	552	End	1762
GI	4538929	Score	384
Exons	552..712, 787..1030, 1269..1762		
GI Descrip.	(AL049483) putative nucleic acid binding protein [Arabidopsis thaliana]		

Seq. No.	13326	Seq. ID	OJ991001_01.0119.C18
Gene No.	28336	Strand	+
Start	552	End	4620
Name	OJ991001_01.0119.C18.o1.gs	Method	GENSCAN
Start	555	End	4620
GI	none	Score	.71
Exons	555..709, 787..1059, 1292..1486, 1577..1733, 3762..3941, 4337..4620		

Seq. No.	13326	Seq. ID	OJ991001_01.0119.C18
Gene No.	28337	Strand	-
Start	1704	End	2077
Name	OJ991001_01.0119.C18.o2.gp	Method	AAT/GAP
Start	1704	End	2077
GI	none	Score	696
Exons	1704..2077		

Seq. No.	13326	Seq. ID	OJ991001_01.0119.C18

Gene No.	28338	Strand	-
Start	3901	End	5120
Name	OJ991001_01.0119.C18.o1.tm	Method	TBLASTX:Maize
Start	532	End	1769
GI	none	Score	125
Exons	532..708, 545..718, 551..718, 773..1006, 775..1026, 787..1038, 788..1033, 1286..1486, 1289..1486, 1312..1488, 1568..1624, 1568..1618, 1576..1623, 1618..1710, 1620..1712, 1620..1712, 1710..1769, 1726..1767		

Seq. No.	13326	Seq. ID	OJ991001_01.0119.C18
Gene No.	28338	Strand	-
Start	3901	End	5120
Name	OJ991001_01.0119.C18.o2.ts	Method	TBLASTX:Soybean
Start	569	End	1486
GI	none	Score	123
Exons	569..703, 1286..1486, 1312..1470		

Seq. No.	13326	Seq. ID	OJ991001_01.0119.C18
Gene No.	28338	Strand	-
Start	3901	End	5120
Name	OJ991001_01.0119.C18.o2.tm	Method	TBLASTX:Maize
Start	3815	End	5102
GI	none	Score	50
Exons	3815..3850, 3817..3852, 3936..4013, 3937..4017, 3938..4012, 3946..4014, 4347..4439, 4358..4441, 4360..4437, 4523..4621, 4525..4623, 4525..4620, 5016..5102, 5017..5073		

Seq. No.	13326	Seq. ID	OJ991001_01.0119.C18
Gene No.	28338	Strand	-
Start	3901	End	5120
Name	OJ991001_01.0119.C18.o2.np	Method	AAT/NAP
Start	3901	End	5120
GI	4929719	Score	174
Exons	3901..4011, 4360..4438, 4526..4622, 5015..5120		
GI Descrip.	(AF151883) CGI-125 protein [Homo sapiens]		

Seq. No.	13326	Seq. ID	OJ991001_01.0119.C18
Gene No.	28338	Strand	-
Start	3901	End	5120
Name	OJ991001_01.0119.C18.o1.ts	Method	TBLASTX:Soybean
Start	3946	End	5090
GI	none	Score	81
Exons	3946..4017, 4358..4441, 4359..4436, 4360..4437, 4523..4621, 4524..4613, 4525..4620, 5016..5090, 5017..5076		

Seq. No.	13327	Seq. ID	OJ991001_01.0119.C19
Gene No.	28339	Strand	+
Start	1	End	2850
Name	OJ991001_01.0119.C19.o1.np	Method	AAT/NAP
Start	1	End	2850
GI	5852093	Score	114
Exons	1..44, 1094..1219, 2822..2850		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	13327	Seq. ID	OJ991001_01.0119.C19
Gene No.	28339	Strand	+

Start	1	End	2850
Name	OJ991001_01.0119.C19.o1.gs	Method	GENSCAN
Start	1498	End	2676
GI	none	Score	.52
Exons	1498..1599, 2515..2676		

Seq. No.	13328	Seq. ID	OJ991001_01.0119.C20
Gene No.	28340	Strand	+
Start	1	End	786
Name	OJ991001_01.0119.C20.o1.gp	Method	AAT/GAP
Start	1	End	284
GI	56734_1.R1084	Score	525
Exons	1..284		
GI Descrip.	'3341693 3.0e-18 (AC003672) unknown protein [Arabidopsis thaliana]'		

Seq. No.	13328	Seq. ID	OJ991001_01.0119.C20
Gene No.	28340	Strand	+
Start	1	End	786
Name	OJ991001_01.0119.C20.o1.np	Method	AAT/NAP
Start	1	End	758
GI	3341693	Score	152
Exons	1..758		
GI Descrip.	(AC003672) unknown protein [Arabidopsis thaliana]		

Seq. No.	13328	Seq. ID	OJ991001_01.0119.C20
Gene No.	28340	Strand	+
Start	1	End	786
Name	OJ991001_01.0119.C20.o1.gs	Method	GENSCAN
Start	60	End	786
GI	none	Score	.95
Exons	60..786		

Seq. No.	13328	Seq. ID	OJ991001_01.0119.C20
Gene No.	28341	Strand	-
Start	728	End	3316
Name	OJ991001_01.0119.C20.o2.gp	Method	AAT/GAP
Start	728	End	1078
GI	none	Score	698
Exons	728..1078		

Seq. No.	13328	Seq. ID	OJ991001_01.0119.C20
Gene No.	28341	Strand	-
Start	728	End	3316
Name	OJ991001_01.0119.C20.o2.np	Method	AAT/NAP
Start	843	End	3316
GI	2352927	Score	99
Exons	843..1020, 1800..1949, 3288..3316		
GI Descrip.	(AF012865) plastidic 3-deoxy-D-arabino-heptulosonate 7-phosphate synthase 1 [Petroselinum crispum]		

Seq. No.	13328	Seq. ID	OJ991001_01.0119.C20
Gene No.	28342	Strand	-
Start	3990	End	4321
Name	OJ991001_01.0119.C20.o1.tm	Method	TBLASTX:Maize
Start	1	End	264
GI	none	Score	363

Exons 1..264, 3..206

Seq. No.	13328	Seq. ID	OJ991001_01.0119.C20
Gene No.	28342	Strand	-
Start	3990	End	4321
Name	OJ991001_01.0119.C20.o2.tm	Method	TBLASTX:Maize
Start	547	End	702
GI	none	Score	229
Exons	547..702, 645..698		

Seq. No.	13328	Seq. ID	OJ991001_01.0119.C20
Gene No.	28342	Strand	-
Start	3990	End	4321
Name	OJ991001_01.0119.C20.o3.gp	Method	AAT/GAP
Start	3990	End	4321
GI	7818_1.R1084	Score	637
Exons	3990..4321		
GI Descrip.	'3123264/sp|P51419|RL27_ARATH 7.0e-59 60S RIBOSOMAL PROTEIN L27 >gi_2244857_emb_CAB10279.1_ (Z97337) ribosomal protein [Arabidopsis thaliana]'		

Seq. No.	13328	Seq. ID	OJ991001_01.0119.C20
Gene No.	28342	Strand	-
Start	3990	End	4321
Name	OJ991001_01.0119.C20.o3.np	Method	AAT/NAP
Start	4219	End	4321
GI	3123264	Score	137
Exons	4219..4321		
GI Descrip.	60S RIBOSOMAL PROTEIN L27 gi|2244857|emb|CAB10279.1| (Z97337) ribosomal protein [Arabidopsis thaliana]		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28343	Strand	+
Start	11458	End	11771
Name	OJ991001_01.0119.C21.o3.gp	Method	AAT/GAP
Start	11458	End	11771
GI	86158_1.R1084	Score	387
Exons	11458..11585, 11610..11771		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 5.0e-42 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28344	Strand	+
Start	12156	End	12610
Name	OJ991001_01.0119.C21.o4.gp	Method	AAT/GAP
Start	12156	End	12610
GI	36280_1.R1084	Score	866
Exons	12156..12610		
GI Descrip.	'5295971/dbj|BAA81872.1| 1.0e-81 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28345	Strand	+
Start	14304	End	14739
Name	OJ991001_01.0119.C21.o6.gp	Method	AAT/GAP

Start	14304	End	14739
GI	uC-osf1M2020118f01a1	Score	809
Exons	14304..14739		
GI Descrip.	'5295971/dbj|BAA81872.1| 4.0e-64 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28346	Strand	+
Start	16512	End	19381
Name	OJ991001_01.0119.C21.o3.np	Method	AAT/NAP
Start	16512	End	19205
GI	4938494	Score	293
Exons	16512..16682, 17393..17452, 17567..17675, 17756..17808, 18029..18109, 18209..18321, 19151..19205		
GI Descrip.	(AL078465) putative calcineurin B-like protein [Arabidopsis thaliana]		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28346	Strand	+
Start	16512	End	19381
Name	OJ991001_01.0119.C21.o7.gp	Method	AAT/GAP
Start	16795	End	17111
GI	86158_1.R1084	Score	392
Exons	16795..16922, 16947..17111		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 5.0e-42 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28346	Strand	+
Start	16512	End	19381
Name	OJ991001_01.0119.C21.o8.gp	Method	AAT/GAP
Start	17567	End	17813
GI	uC-osflcyp065b08b1	Score	295
Exons	17567..17675, 17756..17813		
GI Descrip.	'3309082/gb|AAC26008.1| 4.0e-47 (AF076251) calcineurin B-like protein 1 [Arabidopsis thaliana]'		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28346	Strand	+
Start	16512	End	19381
Name	OJ991001_01.0119.C21.o9.gp	Method	AAT/GAP
Start	17567	End	17813
GI	uC-osflcyp065b08b1	Score	260
Exons	17567..17675, 17756..17813		
GI Descrip.	'3309082/gb|AAC26008.1| 4.0e-47 (AF076251) calcineurin B-like protein 1 [Arabidopsis thaliana]'		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28346	Strand	+
Start	16512	End	19381
Name	OJ991001_01.0119.C21.o10.gp	Method	AAT/GAP
Start	17735	End	18249
GI	uC-osflcyp065b08b1	Score	272
Exons	17735..17808, 18029..18109, 18209..18249		
GI Descrip.	'3309082/gb|AAC26008.1| 4.0e-47 (AF076251) calcineurin B-like		

protein 1 [Arabidopsis thaliana]'

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28346	Strand	+
Start	16512	End	19381
Name	OJ991001_01.0119.C21.o11.gp	Method	AAT/GAP
Start	18218	End	19381
GI	77081_1.R1084	Score	591
Exons	18218..18321, 19151..19381		
GI Descrip.	'3309082/gb|AAC26008.1| 2.0e-17 (AF076251) calcineurin B-like protein 1 [Arabidopsis thaliana]'		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28347	Strand	+
Start	20074	End	23253
Name	OJ991001_01.0119.C21.o12.gp	Method	AAT/GAP
Start	19924	End	20281
GI	none	Score	547
Exons	19924..20281		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28347	Strand	+
Start	20074	End	23253
Name	OJ991001_01.0119.C21.o4.np	Method	AAT/NAP
Start	20042	End	23253
GI	6016428	Score	398
Exons	20042..20284, 23019..23253		
GI Descrip.	PUTATIVE CASEIN KINASE II BETA-4 CHAIN (CK II) gi|3341688|gb|AAC27470.1| (AC003672) putative casein kinase II beta subunit [Arabidopsis thaliana]		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28347	Strand	+
Start	20074	End	23253
Name	OJ991001_01.0119.C21.o5.gs	Method	GENSCAN
Start	20074	End	23235
GI	none	Score	.65
Exons	20074..20284, 20717..20783, 21727..21854, 23014..23235		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28348	Strand	-
Start	1	End	314
Name	OJ991001_01.0119.C21.o1.gp	Method	AAT/GAP
Start	1	End	314
GI	7818_1.R1084	Score	600
Exons	1..314		
GI Descrip.	'3123264/sp|P51419|RL27_ARATH 7.0e-59 60S RIBOSOMAL PROTEIN L27 >gi_2244857_emb_CAB10279.1_ (Z97337) ribosomal protein [Arabidopsis thaliana]'		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28348	Strand	-
Start	1	End	314
Name	OJ991001_01.0119.C21.o1.np	Method	AAT/NAP
Start	1	End	258
GI	3123264	Score	381
Exons	1..258		

GI Descrip. 60S RIBOSOMAL PROTEIN L27 gi|2244857|emb|CAB10279.1| (Z97337) ribosomal protein [Arabidopsis thaliana]

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28348	Strand	-
Start	1	End	314
Name	OJ991001_01.0119.C21.o1.gs	Method	GENSCAN
Start	37	End	258
GI	none	Score	.45
Exons	37..258		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28349	Strand	-
Start	955	End	4370
Name	OJ991001_01.0119.C21.o2.gs	Method	GENSCAN
Start	955	End	4370
GI	none	Score	.82
Exons	955..1224, 1538..1783, 2183..2459, 2747..3024, 3957..4370		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28350	Strand	-
Start	6002	End	10405
Name	OJ991001_01.0119.C21.o2.gp	Method	AAT/GAP
Start	5822	End	8454
GI	200_1.R1084	Score	2156
Exons	5822..6262, 6528..6626, 6731..6835, 7137..7229, 7360..7452, 7545..7598, 7687..7788, 8055..8129, 8332..8454		
GI Descrip.	'1669573/dbj|BAA13608| 1.0e-176 (D88399) endosperm kinase [Oryza sativa]'		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28350	Strand	-
Start	6002	End	10405
Name	OJ991001_01.0119.C21.o3.gs	Method	GENSCAN
Start	6002	End	10405
GI	none	Score	.94
Exons	6002..6262, 6528..6626, 6731..6835, 7360..7452, 8055..8129, 8332..8461, 8627..8756, 9605..9764, 10403..10405		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28351	Strand	-
Start	11782	End	16584
Name	OJ991001_01.0119.C21.o2.np	Method	AAT/NAP
Start	11782	End	16584
GI	5295971	Score	8144
Exons	11782..16584		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28351	Strand	-
Start	11782	End	16584
Name	OJ991001_01.0119.C21.o5.gp	Method	AAT/GAP
Start	13940	End	14295
GI	uC-osflcyp139c12a1	Score	589
Exons	13940..14295		

GI Descrip. '5295971/dbj|BAA81872.1| 3.0e-44 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o3.tc	Method	TBLASTX:Cress
Start	1	End	264
GI	none	Score	237
Exons	1..264, 2..259		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o4.ts	Method	TBLASTX:Soybean
Start	1	End	16171
GI	none	Score	262
Exons	1..258, 2..259, 16094..16171		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o5.tm	Method	TBLASTX:Maize
Start	1	End	283
GI	none	Score	377
Exons	1..276, 2..283, 161..277		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o1.tw	Method	TBLASTX:Wheat
Start	10	End	259
GI	none	Score	351
Exons	10..258, 11..259		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o1.tc	Method	TBLASTX:Cress
Start	983	End	4352
GI	none	Score	189
Exons	983..1222, 997..1230, 1517..1786, 1539..1739, 2150..2461, 2178..2462, 2738..3025, 2742..3026, 2743..3027, 2746..3033, 4026..4352, 4027..4149, 4029..4223		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o3.ts	Method	TBLASTX:Soybean
Start	988	End	4199
GI	none	Score	104
Exons	988..1230, 1029..1208, 1043..1222, 1517..1786, 1539..1739, 2147..2461, 2174..2461, 2178..2462, 2735..3025, 2742..3014, 2743..3027, 2746..3033, 4026..4199, 4027..4149		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o9.tm	Method	TBLASTX:Maize
Start	988	End	4424
GI	none	Score	100
Exons	988..1230, 1027..1209, 1043..1222, 1269..1310, 1517..1717, 1542..1718, 2738..3061, 2746..3033, 4009..4149, 4026..4424, 4029..4223, 4219..4332		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o6.tw	Method	TBLASTX:Wheat
Start	1108	End	1783
GI	none	Score	78
Exons	1108..1206, 1109..1189, 1269..1319, 1511..1783, 1539..1721		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o6.tm	Method	TBLASTX:Maize
Start	1718	End	2462
GI	none	Score	215
Exons	1718..1786, 2150..2461, 2171..2461, 2178..2462		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o8.tm	Method	TBLASTX:Maize
Start	6017	End	8472
GI	none	Score	59
Exons	6017..6082, 6098..6265, 6099..6263, 6212..6265, 6527..6625, 6528..6626, 6528..6635, 6529..6627, 6726..6839, 6731..6838, 7120..7230, 7131..7232, 7141..7230, 7360..7467, 7361..7453, 7361..7468, 7529..7594, 7545..7598, 7549..7596, 7687..7794, 7688..7789, 7691..7795, 8044..8130, 8052..8132, 8053..8130, 8329..8454, 8329..8472, 8333..8455		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o4.tc	Method	TBLASTX:Cress
Start	6101	End	8448
GI	none	Score	65
Exons	6101..6262, 6210..6263, 6501..6635, 6535..6636, 6734..6838, 6735..6836, 7135..7215, 7137..7232, 7139..7240, 7360..7467, 7364..7450, 7545..7598, 7552..7590, 7678..7794, 7688..7789, 8044..8130, 8049..8132, 8050..8166, 8052..8132, 8329..8448		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o8.ts	Method	TBLASTX:Soybean
Start	6107	End	8476
GI	none	Score	46
Exons	6107..6268, 6108..6143, 6209..6265, 6525..6629, 6525..6629,		

6526..6639, 6722..6838, 6728..6829, 6729..6839, 6747..6842,
7131..7184, 7141..7185, 8052..8132, 8053..8130, 8329..8454,
8329..8463, 8333..8476

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o4.tw	Method	TBLASTX:Wheat
Start	6794	End	7791
GI	none	Score	66
Exons	6794..6838, 6795..6839, 7131..7232, 7141..7230, 7360..7467, 7364..7438, 7545..7598, 7549..7599, 7678..7791, 7688..7789		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o5.ts	Method	TBLASTX:Soybean
Start	7186	End	7792
GI	none	Score	68
Exons	7186..7230, 7188..7232, 7360..7467, 7364..7468, 7545..7598, 7564..7599, 7678..7791, 7681..7791, 7688..7792		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o13.tm	Method	TBLASTX:Maize
Start	10072	End	19259
GI	none	Score	86
Exons	10072..10140, 10076..10144, 10287..10370, 10294..10380, 10297..10368, 17380..17475, 17390..17452, 17392..17457, 17559..17675, 17564..17716, 17566..17682, 17756..17809, 17757..17813, 17758..17811, 18019..18108, 18026..18118, 18026..18109, 18206..18322, 18207..18320, 18208..18321, 19136..19246, 19145..19240, 19149..19259		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o9.ts	Method	TBLASTX:Soybean
Start	10287	End	18115
GI	none	Score	90
Exons	10287..10370, 10297..10368, 17299..17451, 17390..17452, 17564..17671, 17566..17715, 17758..17811, 18026..18115		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o6.ts	Method	TBLASTX:Soybean
Start	11806	End	12456
GI	none	Score	51
Exons	11806..12039, 11939..12025, 12094..12282, 12122..12283, 12295..12456		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o2.tc	Method	TBLASTX:Cress

Start	11815	End	12477
GI	none	Score	101
Exons	11815..12033, 11819..12025, 12100..12180, 12104..12181, 12190..12477, 12191..12283, 12305..12415		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o4.tm	Method	TBLASTX:Maize
Start	11816	End	12205
GI	none	Score	255
Exons	11816..12040, 11816..12202, 11818..12123, 11818..12204, 11940..12173, 12098..12205		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o7.tw	Method	TBLASTX:Wheat
Start	11845	End	12264
GI	none	Score	65
Exons	11845..12048, 11858..12025, 12094..12264, 12104..12181		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o14.tm	Method	TBLASTX:Maize
Start	12211	End	12394
GI	none	Score	122
Exons	12211..12393, 12212..12394		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o8.tw	Method	TBLASTX:Wheat
Start	12298	End	12609
GI	none	Score	64
Exons	12298..12477, 12502..12609		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o3.tm	Method	TBLASTX:Maize
Start	12394	End	12783
GI	none	Score	459
Exons	12394..12783, 12394..12783		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o2.tw	Method	TBLASTX:Wheat
Start	12610	End	13165
GI	none	Score	66
Exons	12610..12834, 12820..13164, 12824..13009, 12844..13011, 13076..13165		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-

Start	23032	End	23253
Name	OJ991001_01.0119.C21.o2.ts	Method	TBLASTX:Soybean
Start	12835	End	13332
GI	5509260	Score	130
Exons	12835..13332, 12854..13012, 13076..13252		
GI Descrip.	-		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o8.tc	Method	TBLASTX:Cress
Start	12946	End	13210
GI	none	Score	91
Exons	12946..13209, 13079..13210		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o7.tm	Method	TBLASTX:Maize
Start	12985	End	13281
GI	none	Score	181
Exons	12985..13281, 12986..13255		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o1.ts	Method	TBLASTX:Soybean
Start	13783	End	14262
GI	none	Score	161
Exons	13783..13929, 13954..14262, 13967..14257		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o6.tc	Method	TBLASTX:Cress
Start	13807	End	14247
GI	none	Score	60
Exons	13807..13929, 13951..14247, 13961..14107, 14165..14197		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o2.tm	Method	TBLASTX:Maize
Start	13867	End	14293
GI	none	Score	569
Exons	13867..14289, 13868..14293		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o5.tw	Method	TBLASTX:Wheat
Start	13945	End	14496
GI	none	Score	42
Exons	13945..14025, 13958..14029, 14032..14298, 14132..14281, 14356..14496		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21

Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o10.ts	Method	TBLASTX:Soybean
Start	14356	End	14631
GI	none	Score	194
Exons	14356..14631, 14455..14535		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o3.tw	Method	TBLASTX:Wheat
Start	14569	End	15022
GI	none	Score	53
Exons	14569..14661, 14569..14649, 14629..15018, 14656..15021, 14717..15022		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o12.tm	Method	TBLASTX:Maize
Start	14692	End	14932
GI	none	Score	262
Exons	14692..14931, 14693..14932		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o1.tm	Method	TBLASTX:Maize
Start	14947	End	15667
GI	none	Score	417
Exons	14947..15372, 14947..15126, 15048..15371, 15377..15409, 15391..15666, 15392..15649, 15392..15667		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o10.tm	Method	TBLASTX:Maize
Start	15900	End	16192
GI	none	Score	215
Exons	15900..15962, 15901..16122, 15901..16191, 15977..16192		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o7.tc	Method	TBLASTX:Cress
Start	17380	End	19214
GI	none	Score	93
Exons	17380..17478, 17390..17452, 17564..17674, 17566..17679, 17758..17811, 18026..18115, 18206..18322, 18208..18321, 19145..19213, 19149..19214		

Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o9.tw	Method	TBLASTX:Wheat
Start	17390	End	19202
GI	none	Score	50

Exons	17390..17452, 17392..17442, 17557..17715, 17564..17674, 17758..17814, 18026..18109, 19149..19202		
Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o7.ts	Method	TBLASTX:Soybean
Start	20061	End	23243
GI	none	Score	100
Exons	20061..20108, 20110..20190, 20124..20186, 23017..23208, 23019..23093, 23020..23238, 23021..23239, 23075..23242, 23079..23243		
Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o11.tm	Method	TBLASTX:Maize
Start	20073	End	23240
GI	none	Score	76
Exons	20073..20120, 20089..20166, 20102..20164, 20115..20186, 20116..20193, 20234..20260, 20292..20369, 23016..23240, 23019..23186, 23020..23238, 23075..23239		
Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o13.gp	Method	AAT/GAP
Start	23032	End	23253
GI	3724_1.R1084	Score	361
Exons	23032..23253		
GI Descrip.	'4325282/gb|AAD17313| 6.0e-49 (AF123310) NAC domain protein NAM [Arabidopsis thaliana] >gi_4325286_gb_AAD17314_ (AF123311) NAC domain protein NAM [Arabidopsis thaliana]'		
Seq. No.	13329	Seq. ID	OJ991001_01.0119.C21
Gene No.	28352	Strand	-
Start	23032	End	23253
Name	OJ991001_01.0119.C21.o5.tc	Method	TBLASTX:Cress
Start	23032	End	23243
GI	none	Score	113
Exons	23032..23241, 23032..23241, 23079..23243		
Seq. No.	13330	Seq. ID	OJ991001_01.0119.C22
Gene No.	28353	Strand	+
Start	1	End	1172
Name	OJ991001_01.0119.C22.o1.gp	Method	AAT/GAP
Start	1	End	1172
GI	3724_1.R1084	Score	1024
Exons	1..34, 127..292, 813..1172		
GI Descrip.	'4325282/gb|AAD17313| 6.0e-49 (AF123310) NAC domain protein NAM [Arabidopsis thaliana] >gi_4325286_gb_AAD17314_ (AF123311) NAC domain protein NAM [Arabidopsis thaliana]'		
Seq. No.	13330	Seq. ID	OJ991001_01.0119.C22
Gene No.	28353	Strand	+
Start	1	End	1172
Name	OJ991001_01.0119.C22.o1.np	Method	AAT/NAP

Start	1	End	940
GI	729882	Score	456
Exons	1..34, 127..292, 813..940		
GI Descrip.	CASEIN KINASE II BETA' CHAIN (CK II) gi|1076300|pir||S47968 casein kinase II (EC 2.7.1.-) beta chain CKB2 - Arabidopsis thaliana gi|467975 (U03984) casein kinase II beta subunit CKB2 [Arabidopsis thaliana] gi|2245122|emb|CAB10544.1| (Z97343) casein kinase II beta chain CKB2 [Arabidopsis thaliana]		

Seq. No.	13330	Seq. ID	OJ991001_01.0119.C22
Gene No.	28354	Strand	+
Start	1692	End	8367
Name	OJ991001_01.0119.C22.o2.tm	Method	TBLASTX:Maize
Start	11	End	958
GI	none	Score	35
Exons	11..34, 13..33, 119..292, 126..296, 126..296, 127..297, 812..958, 814..957		

Seq. No.	13330	Seq. ID	OJ991001_01.0119.C22
Gene No.	28354	Strand	+
Start	1692	End	8367
Name	OJ991001_01.0119.C22.o1.tc	Method	TBLASTX:Cress
Start	126	End	937
GI	none	Score	305
Exons	126..296, 127..297, 812..937, 814..930		

Seq. No.	13330	Seq. ID	OJ991001_01.0119.C22
Gene No.	28354	Strand	+
Start	1692	End	8367
Name	OJ991001_01.0119.C22.o2.ts	Method	TBLASTX:Soybean
Start	126	End	937
GI	none	Score	293
Exons	126..296, 127..297, 812..937, 812..937		

Seq. No.	13330	Seq. ID	OJ991001_01.0119.C22
Gene No.	28354	Strand	+
Start	1692	End	8367
Name	OJ991001_01.0119.C22.o2.np	Method	AAT/NAP
Start	1692	End	7068
GI	3668087	Score	1042
Exons	1692..1729, 3774..4429, 6535..6793, 6901..7068		
GI Descrip.	(AC004667) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13330	Seq. ID	OJ991001_01.0119.C22
Gene No.	28354	Strand	+
Start	1692	End	8367
Name	OJ991001_01.0119.C22.o2.gs	Method	GENSCAN
Start	3639	End	8282
GI	none	Score	.76
Exons	3639..4429, 6535..6793, 6901..7070, 8039..8282		

Seq. No.	13330	Seq. ID	OJ991001_01.0119.C22
Gene No.	28354	Strand	+
Start	1692	End	8367
Name	OJ991001_01.0119.C22.o1.tm	Method	TBLASTX:Maize
Start	4059	End	7128
GI	none	Score	77

Exons	4059..4211, 4062..4217, 4062..4223, 4062..4199, 4080..4211, 4125..4223, 4127..4435, 4166..4435, 4166..4399, 4169..4366, 4213..4434, 4278..4436, 4278..4436, 4281..4436, 4296..4436, 4296..4448, 6532..6579, 6533..6793, 6536..6709, 6539..6712, 6539..6700, 6548..6709, 6581..6712, 6616..6795, 6616..6693, 6616..6711, 6897..6977, 6898..7080, 6899..7084, 7071..7124, 7096..7128

Seq. No.	13330	Seq. ID	OJ991001_01.0119.C22
Gene No.	28354	Strand	+
Start	1692	End	8367
Name	OJ991001_01.0119.C22.o1.ts	Method	TBLASTX:Soybean
Start	4062	End	7053
GI	none	Score	69
Exons	4062..4199, 4080..4220, 4086..4211, 4163..4312, 4169..4366, 4217..4435, 4278..4400, 4281..4436, 4296..4436, 4356..4436, 4356..4442, 6506..6793, 6533..6793, 6536..6709, 6537..6794, 6537..6617, 6616..6795, 6619..6693, 6745..6795, 6883..7053		

Seq. No.	13330	Seq. ID	OJ991001_01.0119.C22
Gene No.	28354	Strand	+
Start	1692	End	8367
Name	OJ991001_01.0119.C22.o2.tc	Method	TBLASTX:Cress
Start	4062	End	6723
GI	none	Score	74
Exons	4062..4190, 4086..4208, 4163..4327, 4226..4399, 4278..4400, 4295..4435, 4296..4436, 6532..6576, 6533..6721, 6584..6709, 6619..6723		

Seq. No.	13330	Seq. ID	OJ991001_01.0119.C22
Gene No.	28354	Strand	+
Start	1692	End	8367
Name	OJ991001_01.0119.C22.o2.gp	Method	AAT/GAP
Start	6669	End	7153
GI	none	Score	664
Exons	6669..6793, 6901..7153		

Seq. No.	13330	Seq. ID	OJ991001_01.0119.C22
Gene No.	28354	Strand	+
Start	1692	End	8367
Name	OJ991001_01.0119.C22.o3.gp	Method	AAT/GAP
Start	7185	End	7634
GI	none	Score	861
Exons	7185..7634		

Seq. No.	13330	Seq. ID	OJ991001_01.0119.C22
Gene No.	28354	Strand	+
Start	1692	End	8367
Name	OJ991001_01.0119.C22.o4.gp	Method	AAT/GAP
Start	8173	End	8367
GI	20266_1.R1084	Score	327
Exons	8173..8367		
GI Descrip.	'3258570 9.0e-17 (U89959) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	13331	Seq. ID	OJ991001_01.0119.C23
Gene No.	28355	Strand	+

Start	1	End	2637
Name	OJ991001_01.0119.C23.o1.np	Method	AAT/NAP
Start	1	End	2457
GI	3258570	Score	1030
Exons	1..99, 708..1074, 1686..1803, 1984..2235, 2401..2457		
GI Descrip.	(U89959) Unknown protein [Arabidopsis thaliana]		

Seq. No.	13331	Seq. ID	OJ991001_01.0119.C23
Gene No.	28355	Strand	+
Start	1	End	2637
Name	OJ991001_01.0119.C23.o1.tm	Method	TBLASTX:Maize
Start	6	End	2145
GI	none	Score	101
Exons	6..98, 8..97, 692..1039, 706..1038, 713..1039, 1680..1769, 1681..1803, 2011..2082, 2086..2145		

Seq. No.	13331	Seq. ID	OJ991001_01.0119.C23
Gene No.	28355	Strand	+
Start	1	End	2637
Name	OJ991001_01.0119.C23.o1.gs	Method	GENSCAN
Start	39	End	2460
GI	none	Score	.86
Exons	39..99, 708..1038, 1683..1803, 2020..2235, 2401..2460		

Seq. No.	13331	Seq. ID	OJ991001_01.0119.C23
Gene No.	28355	Strand	+
Start	1	End	2637
Name	OJ991001_01.0119.C23.o1.tc	Method	TBLASTX:Cress
Start	39	End	1039
GI	none	Score	62
Exons	39..98, 714..926, 719..1039, 730..1038		

Seq. No.	13331	Seq. ID	OJ991001_01.0119.C23
Gene No.	28355	Strand	+
Start	1	End	2637
Name	OJ991001_01.0119.C23.o1.tw	Method	TBLASTX:Wheat
Start	721	End	1039
GI	none	Score	58
Exons	721..891, 721..1032, 722..1039		

Seq. No.	13331	Seq. ID	OJ991001_01.0119.C23
Gene No.	28355	Strand	+
Start	1	End	2637
Name	OJ991001_01.0119.C23.o1.ts	Method	TBLASTX:Soybean
Start	727	End	2463
GI	none	Score	508
Exons	727..1038, 728..1039, 732..1040, 1676..1783, 1677..1802, 1680..1772, 1681..1803, 2005..2157, 2019..2156, 2136..2174, 2160..2225, 2397..2459, 2398..2463		

Seq. No.	13331	Seq. ID	OJ991001_01.0119.C23
Gene No.	28355	Strand	+
Start	1	End	2637
Name	OJ991001_01.0119.C23.o1.gp	Method	AAT/GAP
Start	2023	End	2637
GI	uC-osflcyp117a10a1	Score	832
Exons	2023..2235, 2401..2637		

GI Descrip.	'3258570 5.0e-20 (U89959) Unknown protein [Arabidopsis thaliana]'		
Seq. No.	13332	Seq. ID	OJ991111_05.0125.C1
Gene No.	28356	Strand	+
Start	1	End	659
Name	OJ991111_05.0125.C1.o1.np	Method	AAT/NAP
Start	1	End	222
GI	6901643	Score	347
Exons	1..222		
GI Descrip.	(AF069529) Rz lysis protein [Bacteriophage HK97]		

Seq. No.	13332	Seq. ID	OJ991111_05.0125.C1
Gene No.	28356	Strand	+
Start	1	End	659
Name	OJ991111_05.0125.C1.o1.gs	Method	GENSCAN
Start	91	End	559
GI	none	Score	.4
Exons	91..180, 397..559		

Seq. No.	13332	Seq. ID	OJ991111_05.0125.C1
Gene No.	28356	Strand	+
Start	1	End	659
Name	OJ991111_05.0125.C1.o2.np	Method	AAT/NAP
Start	388	End	659
GI	2120256	Score	453
Exons	388..659		
GI Descrip.	rha protein - phage phi-80 gi|1019108 (L40418) alternate start at bp 59; ORF [Bacteriophage phi-80]		

Seq. No.	13333	Seq. ID	OJ991111_05.0125.C2
Gene No.	28357	Strand	-
Start	71	End	416
Name	OJ991111_05.0125.C2.o1.gp	Method	AAT/GAP
Start	71	End	416
GI	65969_1.R1084	Score	622
Exons	71..416		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-149 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	13333	Seq. ID	OJ991111_05.0125.C2
Gene No.	28358	Strand	-
Start	3023	End	3730
Name	OJ991111_05.0125.C2.o2.gs	Method	GENSCAN
Start	3023	End	3730
GI	none	Score	.93
Exons	3023..3093, 3217..3426, 3511..3582, 3676..3730		

Seq. No.	13333	Seq. ID	OJ991111_05.0125.C2
Gene No.	28359	Strand	-
Start	5079	End	12803
Name	OJ991111_05.0125.C2.o1.tm	Method	TBLASTX:Maize
Start	3198	End	3727
GI	none	Score	127
Exons	3198..3377, 3215..3409, 3269..3406, 3512..3580, 3513..3566, 3659..3727		

Seq. No.	13333	Seq. ID	OJ991111_05.0125.C2
Gene No.	28359	Strand	-
Start	5079	End	12803
Name	OJ991111_05.0125.C2.o1.tc	Method	TBLASTX:Cress
Start	3215	End	3725
GI	none	Score	81
Exons	3215..3400, 3234..3395, 3476..3580, 3513..3566, 3674..3724, 3687..3725		

Seq. No.	13333	Seq. ID	OJ991111_05.0125.C2
Gene No.	28359	Strand	-
Start	5079	End	12803
Name	OJ991111_05.0125.C2.o1.ts	Method	TBLASTX:Soybean
Start	3215	End	3721
GI	none	Score	79
Exons	3215..3400, 3216..3386, 3512..3580, 3513..3566, 3659..3721		

Seq. No.	13333	Seq. ID	OJ991111_05.0125.C2
Gene No.	28359	Strand	-
Start	5079	End	12803
Name	OJ991111_05.0125.C2.o1.tw	Method	TBLASTX:Wheat
Start	3244	End	3718
GI	none	Score	117
Exons	3244..3396, 3245..3400, 3246..3386, 3269..3397, 3476..3580, 3483..3566, 3517..3582, 3674..3718		

Seq. No.	13333	Seq. ID	OJ991111_05.0125.C2
Gene No.	28359	Strand	-
Start	5079	End	12803
Name	OJ991111_05.0125.C2.o3.gs	Method	GENSCAN
Start	5079	End	6008
GI	none	Score	1
Exons	5079..5317, 5795..6008		

Seq. No.	13333	Seq. ID	OJ991111_05.0125.C2
Gene No.	28359	Strand	-
Start	5079	End	12803
Name	OJ991111_05.0125.C2.o1.np	Method	AAT/NAP
Start	5243	End	12320
GI	6523547	Score	365
Exons	5243..5291, 11087..12320		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	13333	Seq. ID	OJ991111_05.0125.C2
Gene No.	28359	Strand	-
Start	5079	End	12803
Name	OJ991111_05.0125.C2.o4.gs	Method	GENSCAN
Start	8651	End	12803
GI	none	Score	.46
Exons	8651..9106, 10849..11053, 11122..11215, 11309..11603, 11971..12174, 12670..12803		

Seq. No.	13333	Seq. ID	OJ991111_05.0125.C2
Gene No.	28359	Strand	-
Start	5079	End	12803
Name	OJ991111_05.0125.C2.o2.gp	Method	AAT/GAP

Start	9205	End	9317
GI	uC-osflcyp088b12b1	Score	166
Exons	9205..9317		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	13334	Seq. ID	OJ991111_05.0125.C3
Gene No.	28360	Strand	+
Start	927	End	2135
Name	OJ991111_05.0125.C3.o1.gs	Method	GENSCAN
Start	927	End	2135
GI	none	Score	.62
Exons	927..1112, 1303..1450, 1748..1901, 2113..2135		

Seq. No.	13334	Seq. ID	OJ991111_05.0125.C3
Gene No.	28361	Strand	-
Start	2007	End	2830
Name	OJ991111_05.0125.C3.o1.gp	Method	AAT/GAP
Start	2007	End	2296
GI	3762588	Score	536
Exons	2007..2296		

Seq. No.	13334	Seq. ID	OJ991111_05.0125.C3
Gene No.	28361	Strand	-
Start	2007	End	2830
Name	OJ991111_05.0125.C3.o2.gp	Method	AAT/GAP
Start	2163	End	2784
GI	29287_1.R1084	Score	806
Exons	2163..2653, 2758..2784		
GI Descrip.	'1084427/pir||S54832 3.0e-28 gip1 protein - garden petunia >gi_825524_emb_CAA60677_ (X87225) gip1 [Petunia x hybrida]'		

Seq. No.	13334	Seq. ID	OJ991111_05.0125.C3
Gene No.	28361	Strand	-
Start	2007	End	2830
Name	OJ991111_05.0125.C3.o3.gp	Method	AAT/GAP
Start	2223	End	2830
GI	29287_1.R1084	Score	805
Exons	2223..2653, 2758..2830		
GI Descrip.	'1084427/pir||S54832 3.0e-28 gip1 protein - garden petunia >gi_825524_emb_CAA60677_ (X87225) gip1 [Petunia x hybrida]'		

Seq. No.	13334	Seq. ID	OJ991111_05.0125.C3
Gene No.	28361	Strand	-
Start	2007	End	2830
Name	OJ991111_05.0125.C3.o2.gs	Method	GENSCAN
Start	2393	End	2829
GI	none	Score	.99
Exons	2393..2653, 2758..2829		

Seq. No.	13334	Seq. ID	OJ991111_05.0125.C3
Gene No.	28361	Strand	-
Start	2007	End	2830
Name	OJ991111_05.0125.C3.o1.np	Method	AAT/NAP
Start	2396	End	2731
GI	1084427	Score	312
Exons	2396..2731		

GI Descrip.	gip1 protein - garden petunia gi|825524|emb|CAA60677| (X87225) gip1 [Petunia x hybrida]		
Seq. No.	13334	Seq. ID	OJ991111_05.0125.C3
Gene No.	28362	Strand	-
Start	4855	End	5030
Name	OJ991111_05.0125.C3.o1.ts	Method	TBLASTX:Soybean
Start	2390	End	2590
GI	none	Score	46
Exons	2390..2590, 2397..2426, 2474..2542, 2478..2588		
Seq. No.	13334	Seq. ID	OJ991111_05.0125.C3
Gene No.	28362	Strand	-
Start	4855	End	5030
Name	OJ991111_05.0125.C3.o1.tc	Method	TBLASTX:Cress
Start	2393	End	2584
GI	none	Score	50
Exons	2393..2584, 2397..2426, 2474..2542, 2478..2582, 2497..2574		
Seq. No.	13334	Seq. ID	OJ991111_05.0125.C3
Gene No.	28362	Strand	-
Start	4855	End	5030
Name	OJ991111_05.0125.C3.o1.tw	Method	TBLASTX:Wheat
Start	2393	End	2584
GI	none	Score	177
Exons	2393..2584		
Seq. No.	13334	Seq. ID	OJ991111_05.0125.C3
Gene No.	28362	Strand	-
Start	4855	End	5030
Name	OJ991111_05.0125.C3.o1.tm	Method	TBLASTX:Maize
Start	2393	End	2590
GI	none	Score	57
Exons	2393..2590, 2394..2426, 2478..2588, 2497..2589		
Seq. No.	13334	Seq. ID	OJ991111_05.0125.C3
Gene No.	28362	Strand	-
Start	4855	End	5030
Name	OJ991111_05.0125.C3.o4.gp	Method	AAT/GAP
Start	4567	End	4762
GI	24989_1.R1084	Score	272
Exons	4567..4762		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 2.0e-13 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		
Seq. No.	13334	Seq. ID	OJ991111_05.0125.C3
Gene No.	28362	Strand	-
Start	4855	End	5030
Name	OJ991111_05.0125.C3.o3.gs	Method	GENSCAN
Start	4855	End	5030
GI	none	Score	.63
Exons	4855..5030		
Seq. No.	13335	Seq. ID	OJ991111_05.0125.C4
Gene No.	28363	Strand	+
Start	3904	End	4182
Name	OJ991111_05.0125.C4.o2.gp	Method	AAT/GAP

Start	3904	End	4182
GI	61605_3.R1084	Score	346
Exons	3904..4182		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	13335	Seq. ID	OJ991111_05.0125.C4
Gene No.	28364	Strand	+
Start	7524	End	11784
Name	OJ991111_05.0125.C4.o1.np	Method	AAT/NAP
Start	7524	End	11784
GI	4206306	Score	3122
Exons	7524..7621, 7948..11784		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	13335	Seq. ID	OJ991111_05.0125.C4
Gene No.	28364	Strand	+
Start	7524	End	11784
Name	OJ991111_05.0125.C4.o4.gp	Method	AAT/GAP
Start	8195	End	8464
GI	uC-osf1M202098c02b1	Score	474
Exons	8195..8464		
GI Descrip.	'4378066/gb|AAD19359.1| 2.0e-13 (AF098806) polyprotein [Sorghum bicolor] >gi_4680208_gb_AAD27571.1_AF114171_12 (AF114171) polyprotein [Sorghum bicolor]'		

Seq. No.	13335	Seq. ID	OJ991111_05.0125.C4
Gene No.	28365	Strand	+
Start	12711	End	15232
Name	OJ991111_05.0125.C4.o2.gs	Method	GENSCAN
Start	12711	End	15232
GI	none	Score	.89
Exons	12711..12816, 13306..13381, 13700..13734, 14678..14961, 14972..15232		

Seq. No.	13335	Seq. ID	OJ991111_05.0125.C4
Gene No.	28366	Strand	-
Start	6116	End	20015
Name	OJ991111_05.0125.C4.o7.tw	Method	TBLASTX:Wheat
Start	3542	End	3832
GI	none	Score	188
Exons	3542..3832		

Seq. No.	13335	Seq. ID	OJ991111_05.0125.C4
Gene No.	28366	Strand	-
Start	6116	End	20015
Name	OJ991111_05.0125.C4.o3.np	Method	AAT/NAP
Start	6116	End	20015
GI	6016874	Score	39
Exons	6116..6185, 6588..6666, 8537..8674, 11716..11851, 19755..20015		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	13335	Seq. ID	OJ991111_05.0125.C4
Gene No.	28366	Strand	-
Start	6116	End	20015

Name	OJ991111_05.0125.C4.o5.tw	Method	TBLASTX:Wheat
Start	8099	End	8458
GI	none	Score	88
Exons	8099..8230, 8236..8457, 8237..8458		

Seq. No.	13335	Seq. ID	OJ991111_05.0125.C4
Gene No.	28366	Strand	-
Start	6116	End	20015
Name	OJ991111_05.0125.C4.o1.tw	Method	TBLASTX:Wheat
Start	8663	End	9118
GI	none	Score	481
Exons	8663..9118, 8689..9117		

Seq. No.	13335	Seq. ID	OJ991111_05.0125.C4
Gene No.	28366	Strand	-
Start	6116	End	20015
Name	OJ991111_05.0125.C4.o1.tm	Method	TBLASTX:Maize
Start	8792	End	9148
GI	none	Score	412
Exons	8792..9148, 8857..9147		

Seq. No.	13335	Seq. ID	OJ991111_05.0125.C4
Gene No.	28366	Strand	-
Start	6116	End	20015
Name	OJ991111_05.0125.C4.o2.tm	Method	TBLASTX:Maize
Start	9176	End	9559
GI	none	Score	399
Exons	9176..9559, 9199..9546		

Seq. No.	13335	Seq. ID	OJ991111_05.0125.C4
Gene No.	28366	Strand	-
Start	6116	End	20015
Name	OJ991111_05.0125.C4.o2.tw	Method	TBLASTX:Wheat
Start	9233	End	9652
GI	none	Score	448
Exons	9233..9652, 9233..9445, 9286..9546, 9467..9634		

Seq. No.	13335	Seq. ID	OJ991111_05.0125.C4
Gene No.	28366	Strand	-
Start	6116	End	20015
Name	OJ991111_05.0125.C4.o1.ts	Method	TBLASTX:Soybean
Start	9278	End	9661
GI	none	Score	271
Exons	9278..9661, 9328..9435		

Seq. No.	13335	Seq. ID	OJ991111_05.0125.C4
Gene No.	28366	Strand	-
Start	6116	End	20015
Name	OJ991111_05.0125.C4.o2.ts	Method	TBLASTX:Soybean
Start	9917	End	10297
GI	none	Score	213
Exons	9917..10297, 10066..10284		

Seq. No.	13335	Seq. ID	OJ991111_05.0125.C4
Gene No.	28366	Strand	-
Start	6116	End	20015
Name	OJ991111_05.0125.C4.o3.tw	Method	TBLASTX:Wheat

Start	9928	End	10360
GI	none	Score	314
Exons	9928..10041, 9929..10360, 10069..10359		

Seq. No.	13335	Seq. ID	OJ991111_05.0125.C4
Gene No.	28366	Strand	-
Start	6116	End	20015
Name	OJ991111_05.0125.C4.o3.tm	Method	TBLASTX:Maize
Start	10562	End	11020
GI	none	Score	363
Exons	10562..11020, 10625..10837, 10669..10881		

Seq. No.	13335	Seq. ID	OJ991111_05.0125.C4
Gene No.	28366	Strand	-
Start	6116	End	20015
Name	OJ991111_05.0125.C4.o4.tw	Method	TBLASTX:Wheat
Start	10670	End	11059
GI	none	Score	262
Exons	10670..11059, 10919..11050		

Seq. No.	13335	Seq. ID	OJ991111_05.0125.C4
Gene No.	28366	Strand	-
Start	6116	End	20015
Name	OJ991111_05.0125.C4.o3.ts	Method	TBLASTX:Soybean
Start	10832	End	11208
GI	none	Score	97
Exons	10832..10975, 10982..11110, 11095..11208		

Seq. No.	13335	Seq. ID	OJ991111_05.0125.C4
Gene No.	28366	Strand	-
Start	6116	End	20015
Name	OJ991111_05.0125.C4.o5.tm	Method	TBLASTX:Maize
Start	11021	End	11193
GI	none	Score	114
Exons	11021..11101, 11023..11106, 11094..11192, 11101..11193		

Seq. No.	13335	Seq. ID	OJ991111_05.0125.C4
Gene No.	28366	Strand	-
Start	6116	End	20015
Name	OJ991111_05.0125.C4.o6.tw	Method	TBLASTX:Wheat
Start	11179	End	11775
GI	none	Score	102
Exons	11179..11298, 11326..11457, 11650..11775		

Seq. No.	13335	Seq. ID	OJ991111_05.0125.C4
Gene No.	28366	Strand	-
Start	6116	End	20015
Name	OJ991111_05.0125.C4.o4.tm	Method	TBLASTX:Maize
Start	11224	End	11466
GI	none	Score	203
Exons	11224..11466		

Seq. No.	13335	Seq. ID	OJ991111_05.0125.C4
Gene No.	28366	Strand	-
Start	6116	End	20015
Name	OJ991111_05.0125.C4.o6.tm	Method	TBLASTX:Maize
Start	11473	End	11733

GI	none	Score	190
Exons	11473..11733, 11541..11708		

Seq. No.	13335	Seq. ID	OJ991111_05.0125.C4
Gene No.	28366	Strand	-
Start	6116	End	20015
Name	OJ991111_05.0125.C4.o2.np	Method	AAT/NAP
Start	12693	End	16926
GI	5420389	Score	125
Exons	12693..12723, 14691..15211, 16688..16926		
GI Descrip.	(AJ243460) proteophosphoglycan [Leishmania major]		

Seq. No.	13335	Seq. ID	OJ991111_05.0125.C4
Gene No.	28366	Strand	-
Start	6116	End	20015
Name	OJ991111_05.0125.C4.o3.gs	Method	GENSCAN
Start	16666	End	19943
GI	none	Score	.76
Exons	16666..16848, 16981..17343, 17869..18061, 18124..18259, 19203..19333, 19792..19943		

Seq. No.	13336	Seq. ID	OJ991111_05.0125.C5
Gene No.	28367	Strand	+
Start	55	End	1363
Name	OJ991111_05.0125.C5.o1.gs	Method	GENSCAN
Start	55	End	1363
GI	none	Score	.47
Exons	55..132, 137..232, 298..360, 372..486, 498..588, 809..987, 1284..1363		

Seq. No.	13337	Seq. ID	OJ991111_05.0125.C6
Gene No.	28368	Strand	-
Start	9	End	1715
Name	OJ991111_05.0125.C6.o1.np	Method	AAT/NAP
Start	9	End	1715
GI	3582021	Score	778
Exons	9..499, 538..729, 812..1581, 1629..1715		
GI Descrip.	(Y09423) cytochrome P450 [Nepeta racemosa]		

Seq. No.	13337	Seq. ID	OJ991111_05.0125.C6
Gene No.	28369	Strand	-
Start	2690	End	4006
Name	OJ991111_05.0125.C6.o1.tc	Method	TBLASTX:Cress
Start	75	End	1469
GI	none	Score	63
Exons	75..236, 106..237, 279..491, 555..677, 587..682, 594..677, 1344..1469		

Seq. No.	13337	Seq. ID	OJ991111_05.0125.C6
Gene No.	28369	Strand	-
Start	2690	End	4006
Name	OJ991111_05.0125.C6.o1.tw	Method	TBLASTX:Wheat
Start	99	End	374
GI	none	Score	107
Exons	99..236, 100..237, 240..374, 241..363		

Seq. No.	13337	Seq. ID	OJ991111_05.0125.C6

Gene No.	28369	Strand	-
Start	2690	End	4006
Name	OJ991111_05.0125.C6.o1.tm	Method	TBLASTX:Maize
Start	105	End	679
GI	none	Score	77
Exons	105..236, 106..237, 273..491, 587..679		

Seq. No.	13337	Seq. ID	OJ991111_05.0125.C6
Gene No.	28369	Strand	-
Start	2690	End	4006
Name	OJ991111_05.0125.C6.o1.ts	Method	TBLASTX:Soybean
Start	105	End	1469
GI	none	Score	96
Exons	105..236, 106..237, 273..491, 566..676, 587..676, 894..1064, 1089..1193, 1299..1469		

Seq. No.	13337	Seq. ID	OJ991111_05.0125.C6
Gene No.	28369	Strand	-
Start	2690	End	4006
Name	OJ991111_05.0125.C6.o2.gs	Method	GENSCAN
Start	2690	End	4006
GI	none	Score	.63
Exons	2690..2708, 3861..4006		

Seq. No.	13338	Seq. ID	OJ991111_05.0125.C7
Gene No.	28370	Strand	+
Start	727	End	7373
Name	OJ991111_05.0125.C7.o1.np	Method	AAT/NAP
Start	727	End	4279
GI	6016718	Score	474
Exons	727..873, 1256..1442, 1896..2211, 4238..4279		
GI Descrip.	(AC009325) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	13338	Seq. ID	OJ991111_05.0125.C7
Gene No.	28370	Strand	+
Start	727	End	7373
Name	OJ991111_05.0125.C7.o1.gs	Method	GENSCAN
Start	732	End	7373
GI	none	Score	.73
Exons	732..873, 1256..1442, 1896..2377, 2547..3052, 4205..4449, 4502..4591, 5697..5842, 6503..6634, 6759..7373		

Seq. No.	13338	Seq. ID	OJ991111_05.0125.C7
Gene No.	28370	Strand	+
Start	727	End	7373
Name	OJ991111_05.0125.C7.o2.np	Method	AAT/NAP
Start	3100	End	5946
GI	1169170	Score	253
Exons	3100..3337, 3514..3550, 4263..4459, 4824..4874, 5922..5946		
GI Descrip.	APOCYTOCHROME F PRECURSOR gi|1363527|pir||S58564 plastoquinol--plastocyanin reductase (EC 1.10.99.1) cytochrome f - maize chloroplast gi|902234|emb|CAA60298| (X86563) cytochrome f [Zea mays]		

Seq. No.	13338	Seq. ID	OJ991111_05.0125.C7
Gene No.	28371	Strand	+
Start	9864	End	11943

Name	OJ991111_05.0125.C7.o2.gs	Method	GENSCAN
Start	9864	End	11943
GI	none	Score	.85
Exons	9864..10049, 10907..11943		

Seq. No.	13338	Seq. ID	OJ991111_05.0125.C7
Gene No.	28372	Strand	-
Start	7750	End	7912
Name	OJ991111_05.0125.C7.o3.tm	Method	TBLASTX:Maize
Start	729	End	1297
GI	none	Score	109
Exons	729..875, 730..882, 733..876, 1255..1296, 1256..1297		

Seq. No.	13338	Seq. ID	OJ991111_05.0125.C7
Gene No.	28372	Strand	-
Start	7750	End	7912
Name	OJ991111_05.0125.C7.o3.ts	Method	TBLASTX:Soybean
Start	1259	End	1444
GI	none	Score	230
Exons	1259..1444, 1270..1443		

Seq. No.	13338	Seq. ID	OJ991111_05.0125.C7
Gene No.	28372	Strand	-
Start	7750	End	7912
Name	OJ991111_05.0125.C7.o1.tc	Method	TBLASTX:Cress
Start	1888	End	2397
GI	none	Score	182
Exons	1888..2043, 1895..2029, 2083..2190, 2084..2209, 2102..2209, 2329..2397		

Seq. No.	13338	Seq. ID	OJ991111_05.0125.C7
Gene No.	28372	Strand	-
Start	7750	End	7912
Name	OJ991111_05.0125.C7.o2.ts	Method	TBLASTX:Soybean
Start	1903	End	2140
GI	none	Score	288
Exons	1903..2139, 1904..2137, 1904..2140		

Seq. No.	13338	Seq. ID	OJ991111_05.0125.C7
Gene No.	28372	Strand	-
Start	7750	End	7912
Name	OJ991111_05.0125.C7.o1.tm	Method	TBLASTX:Maize
Start	1942	End	2214
GI	none	Score	41
Exons	1942..1986, 1942..2001, 1943..1993, 1967..2212, 1972..2190, 1988..2212, 1996..2214, 1998..2213		

Seq. No.	13338	Seq. ID	OJ991111_05.0125.C7
Gene No.	28372	Strand	-
Start	7750	End	7912
Name	OJ991111_05.0125.C7.o4.tm	Method	TBLASTX:Maize
Start	2745	End	3138
GI	none	Score	53
Exons	2745..2774, 2750..2782, 2780..2842, 2780..2848, 2785..2844, 2848..2931, 2849..2935, 2850..2927, 2851..2928, 3007..3138, 3008..3115		

Seq. No.	13338	Seq. ID	OJ991111_05.0125.C7
Gene No.	28372	Strand	-
Start	7750	End	7912
Name	OJ991111_05.0125.C7.o1.ts	Method	TBLASTX:Soybean
Start	4262	End	4461
GI	none	Score	290
Exons	4262..4456, 4263..4457, 4264..4461, 4266..4457		

Seq. No.	13338	Seq. ID	OJ991111_05.0125.C7
Gene No.	28372	Strand	-
Start	7750	End	7912
Name	OJ991111_05.0125.C7.o2.tc	Method	TBLASTX:Cress
Start	4262	End	4461
GI	none	Score	290
Exons	4262..4456, 4263..4457, 4264..4461, 4266..4457		

Seq. No.	13338	Seq. ID	OJ991111_05.0125.C7
Gene No.	28372	Strand	-
Start	7750	End	7912
Name	OJ991111_05.0125.C7.o2.tm	Method	TBLASTX:Maize
Start	4287	End	4456
GI	none	Score	254
Exons	4287..4454, 4291..4455, 4292..4456		

Seq. No.	13338	Seq. ID	OJ991111_05.0125.C7
Gene No.	28372	Strand	-
Start	7750	End	7912
Name	OJ991111_05.0125.C7.o3.np	Method	AAT/NAP
Start	7750	End	7912
GI	5042462	Score	121
Exons	7750..7842, 7871..7912		
GI Descrip.	(AC007789) putative negatively light-regulated protein [Oryza sativa]		

Seq. No.	13339	Seq. ID	OJ991111_05.0125.C8
Gene No.	28373	Strand	+
Start	551	End	7273
Name	OJ991111_05.0125.C8.o1.gs	Method	GENSCAN
Start	551	End	7197
GI	none	Score	.89
Exons	551..602, 882..1135, 1230..4244, 4572..4626, 4735..4912, 5420..5609, 5844..6143, 6386..6518, 6651..6853, 7071..7197		

Seq. No.	13339	Seq. ID	OJ991111_05.0125.C8
Gene No.	28373	Strand	+
Start	551	End	7273
Name	OJ991111_05.0125.C8.o1.tm	Method	TBLASTX:Maize
Start	2643	End	3182
GI	none	Score	51
Exons	2643..2681, 2686..3048, 2688..3074, 2688..3062, 3078..3155, 3083..3157, 3088..3156, 3156..3182		

Seq. No.	13339	Seq. ID	OJ991111_05.0125.C8
Gene No.	28373	Strand	+
Start	551	End	7273
Name	OJ991111_05.0125.C8.o2.tm	Method	TBLASTX:Maize
Start	3955	End	5513

GI	none	Score	90
Exons	3955..4107, 3961..4089, 3963..4238, 3966..4235, 3980..4246, 4150..4245, 4329..4370, 4336..4446, 4337..4447, 5416..5511, 5417..5512, 5457..5513		

Seq. No.	13339	Seq. ID	OJ991111_05.0125.C8
Gene No.	28373	Strand	+
Start	551	End	7273
Name	OJ991111_05.0125.C8.o3.tm	Method	TBLASTX:Maize
Start	6646	End	7273
GI	none	Score	183
Exons	6646..6849, 6648..6857, 6650..6865, 6656..6853, 7068..7265, 7069..7263, 7070..7273		

Seq. No.	13340	Seq. ID	OJ991111_05.0125.C9
Gene No.	28374	Strand	-
Start	2171	End	16749
Name	OJ991111_05.0125.C9.o1.np	Method	AAT/NAP
Start	2171	End	12911
GI	6815097	Score	1987
Exons	2171..2504, 2745..3176, 3318..3681, 6480..6897, 7311..8225, 8340..8497, 12893..12911		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	13340	Seq. ID	OJ991111_05.0125.C9
Gene No.	28374	Strand	-
Start	2171	End	16749
Name	OJ991111_05.0125.C9.o2.gs	Method	GENSCAN
Start	4373	End	4630
GI	none	Score	1
Exons	4373..4630		

Seq. No.	13340	Seq. ID	OJ991111_05.0125.C9
Gene No.	28374	Strand	-
Start	2171	End	16749
Name	OJ991111_05.0125.C9.o3.gs	Method	GENSCAN
Start	5486	End	7651
GI	none	Score	.56
Exons	5486..5713, 6561..6887, 7305..7535, 7604..7651		

Seq. No.	13340	Seq. ID	OJ991111_05.0125.C9
Gene No.	28374	Strand	-
Start	2171	End	16749
Name	OJ991111_05.0125.C9.o4.gs	Method	GENSCAN
Start	10838	End	16749
GI	none	Score	.68
Exons	10838..10998, 11037..11195, 12378..12495, 12616..12808, 13147..13204, 13818..14716, 14759..14935, 15200..16373, 16482..16749		

Seq. No.	13340	Seq. ID	OJ991111_05.0125.C9
Gene No.	28374	Strand	-
Start	2171	End	16749
Name	OJ991111_05.0125.C9.o2.np	Method	AAT/NAP
Start	14461	End	16380
GI	2792220	Score	822

Exons	14461..16054, 16245..16380		
GI Descrip.	(AF032688) NBS-LRR type resistance protein [Oryza sativa]		
Seq. No.	13340	Seq. ID	OJ991111_05.0125.C9
Gene No.	28374	Strand	-
Start	2171	End	16749
Name	OJ991111_05.0125.C9.o1.tm	Method	TBLASTX:Maize
Start	15148	End	15633
GI	none	Score	90
Exons	15148..15633, 15163..15441, 15167..15532		
Seq. No.	13340	Seq. ID	OJ991111_05.0125.C9
Gene No.	28374	Strand	-
Start	2171	End	16749
Name	OJ991111_05.0125.C9.o2.ts	Method	TBLASTX:Soybean
Start	15241	End	15462
GI	4397495	Score	97
Exons	15241..15462, 15293..15445		
GI Descrip.	4234955 2.0e-22 (AF098971) NBS-LRR-like protein cD8 [Phaseolus vulgaris]		
Seq. No.	13340	Seq. ID	OJ991111_05.0125.C9
Gene No.	28374	Strand	-
Start	2171	End	16749
Name	OJ991111_05.0125.C9.o1.ts	Method	TBLASTX:Soybean
Start	15463	End	16011
GI	none	Score	49
Exons	15463..15621, 15464..15571, 15622..16008, 15659..15787, 15886..16011		
Seq. No.	13341	Seq. ID	OJ991111_05.0125.C10
Gene No.	28375	Strand	-
Start	2164	End	2300
Name	OJ991111_05.0125.C10.o1.gs	Method	GENSCAN
Start	2164	End	2300
GI	none	Score	.86
Exons	2164..2300		
Seq. No.	13342	Seq. ID	OJ991111_05.0125.C12
Gene No.	28376	Strand	+
Start	2519	End	4633
Name	OJ991111_05.0125.C12.o1.gs	Method	GENSCAN
Start	2519	End	4633
GI	none	Score	.53
Exons	2519..2919, 3016..3070, 3115..3193, 4506..4633		
Seq. No.	13342	Seq. ID	OJ991111_05.0125.C12
Gene No.	28377	Strand	+
Start	5997	End	6510
Name	OJ991111_05.0125.C12.o2.gs	Method	GENSCAN
Start	5997	End	6510
GI	none	Score	.8
Exons	5997..6295, 6315..6510		
Seq. No.	13342	Seq. ID	OJ991111_05.0125.C12
Gene No.	28378	Strand	-
Start	6979	End	8801

Name	OJ991111_05.0125.C12.o3.gs	Method	GENSCAN
Start	6979	End	8774
GI	none	Score	.66
Exons	6979..7950, 8121..8774		

Seq. No.	13342	Seq. ID	OJ991111_05.0125.C12
Gene No.	28378	Strand	-
Start	6979	End	8801
Name	OJ991111_05.0125.C12.o1.np	Method	AAT/NAP
Start	7927	End	8801
GI	2792220	Score	327
Exons	7927..8801		
GI Descrip.	(AF032688) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	13343	Seq. ID	OJ991111_05.0125.C13
Gene No.	28379	Strand	-
Start	1	End	1296
Name	OJ991111_05.0125.C13.o1.np	Method	AAT/NAP
Start	1	End	927
GI	2792220	Score	355
Exons	1..598, 798..927		
GI Descrip.	(AF032688) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	13343	Seq. ID	OJ991111_05.0125.C13
Gene No.	28379	Strand	-
Start	1	End	1296
Name	OJ991111_05.0125.C13.o1.ts	Method	TBLASTX:Soybean
Start	14	End	550
GI	none	Score	43
Exons	14..133, 200..370, 223..549, 413..550		

Seq. No.	13343	Seq. ID	OJ991111_05.0125.C13
Gene No.	28379	Strand	-
Start	1	End	1296
Name	OJ991111_05.0125.C13.o1.gs	Method	GENSCAN
Start	174	End	1296
GI	none	Score	.72
Exons	174..1296		

Seq. No.	13344	Seq. ID	OJ991111_04.0125.C1
Gene No.	28380	Strand	+
Start	4833	End	10790
Name	OJ991111_04.0125.C1.o2.gs	Method	GENSCAN
Start	4833	End	10554
GI	none	Score	.74
Exons	4833..4846, 5610..5727, 6774..7050, 7223..7343, 7405..7433, 7909..8192, 9554..9650, 10367..10554		

Seq. No.	13344	Seq. ID	OJ991111_04.0125.C1
Gene No.	28380	Strand	+
Start	4833	End	10790
Name	OJ991111_04.0125.C1.o1.gp	Method	AAT/GAP
Start	10283	End	10790
GI	60270_1.R1084	Score	944
Exons	10283..10790		
GI Descrip.	'3348077 1.0e-33 (AF078080) isochorismate synthase [Arabidopsis thaliana]'		

Seq. No.	13344	Seq. ID	OJ991111_04.0125.C1
Gene No.	28381	Strand	+
Start	17203	End	17402
Name	OJ991111_04.0125.C1.o4.gp	Method	AAT/GAP
Start	17203	End	17402
GI	3106969	Score	372
Exons	17203..17402		

Seq. No.	13344	Seq. ID	OJ991111_04.0125.C1
Gene No.	28382	Strand	-
Start	834	End	3212
Name	OJ991111_04.0125.C1.o1.gs	Method	GENSCAN
Start	834	End	3212
GI	none	Score	.66
Exons	834..1306, 1510..1932, 2388..2573, 3188..3212		

Seq. No.	13344	Seq. ID	OJ991111_04.0125.C1
Gene No.	28383	Strand	-
Start	13071	End	18646
Name	OJ991111_04.0125.C1.o3.tm	Method	TBLASTX:Maize
Start	7973	End	9655
GI	none	Score	192
Exons	7973..8002, 8066..8194, 8088..8192, 8090..8218, 9540..9626, 9548..9634, 9548..9655		

Seq. No.	13344	Seq. ID	OJ991111_04.0125.C1
Gene No.	28383	Strand	-
Start	13071	End	18646
Name	OJ991111_04.0125.C1.o2.tm	Method	TBLASTX:Maize
Start	11308	End	15118
GI	none	Score	81
Exons	11308..11394, 11497..11517, 11646..11708, 11770..11832, 14676..14756, 14677..14766, 14678..14758, 14839..14931, 14840..14932, 14841..14933, 15058..15117, 15059..15118		

Seq. No.	13344	Seq. ID	OJ991111_04.0125.C1
Gene No.	28383	Strand	-
Start	13071	End	18646
Name	OJ991111_04.0125.C1.o3.gs	Method	GENSCAN
Start	13071	End	17180
GI	none	Score	.82
Exons	13071..13176, 13372..13726, 14889..14931, 15099..15155, 15535..15645, 16424..16498, 16634..16780, 16859..16975, 17075..17180		

Seq. No.	13344	Seq. ID	OJ991111_04.0125.C1
Gene No.	28383	Strand	-
Start	13071	End	18646
Name	OJ991111_04.0125.C1.o1.np	Method	AAT/NAP
Start	14704	End	18646
GI	3348077	Score	784
Exons	14704..14753, 14839..14931, 15058..15155, 15292..15376, 15535..15641, 15783..15844, 15966..16084, 16293..16361, 16424..16498, 16634..16780, 16859..16975, 17075..17192, 18290..18646		
GI Descrip.	(AF078080) isochorismate synthase [Arabidopsis thaliana]		

Seq. No.	13344	Seq. ID	OJ991111_04.0125.C1
Gene No.	28383	Strand	-
Start	13071	End	18646
Name	OJ991111_04.0125.C1.o1.tc	Method	TBLASTX:Cress
Start	14839	End	17195
GI	none	Score	85
Exons	14839..14931, 14840..14914, 15058..15174, 15059..15157, 15296..15379, 15535..15651, 15548..15643, 15790..15855, 15977..16084, 16293..16367, 16294..16365, 16424..16501, 16434..16499, 16631..16786, 16856..16939, 16869..16949, 17063..17170, 17072..17194, 17073..17195		

Seq. No.	13344	Seq. ID	OJ991111_04.0125.C1
Gene No.	28383	Strand	-
Start	13071	End	18646
Name	OJ991111_04.0125.C1.o3.gp	Method	AAT/GAP
Start	14948	End	15700
GI	2427264	Score	824
Exons	14948..15155, 15292..15376, 15535..15700		
GI Descrip.	3348077 1.0e-33 (AF078080) isochorismate synthase [Arabidopsis thaliana]		

Seq. No.	13344	Seq. ID	OJ991111_04.0125.C1
Gene No.	28383	Strand	-
Start	13071	End	18646
Name	OJ991111_04.0125.C1.o1.tm	Method	TBLASTX:Maize
Start	15119	End	16051
GI	none	Score	67
Exons	15119..15172, 15292..15354, 15296..15379, 15297..15377, 15535..15651, 15537..15647, 15548..15655, 15776..15850, 15779..15847, 15787..15855, 15967..16050, 15977..16051		

Seq. No.	13345	Seq. ID	OJ991111_04.0125.C2
Gene No.	28384	Strand	+
Start	1	End	8037
Name	OJ991111_04.0125.C2.o3.np	Method	AAT/NAP
Start	1	End	5484
GI	4455323	Score	651
Exons	1..34, 2401..2706, 2793..2914, 3006..3103, 3212..3386, 3470..3588, 3672..3774, 3858..3935, 5145..5222, 5307..5484		
GI Descrip.	(AL035525) aminopeptidase-like protein [Arabidopsis thaliana]		

Seq. No.	13345	Seq. ID	OJ991111_04.0125.C2
Gene No.	28384	Strand	+
Start	1	End	8037
Name	OJ991111_04.0125.C2.o1.gs	Method	GENSCAN
Start	1848	End	8037
GI	none	Score	.54
Exons	1848..2163, 2415..2706, 2793..3005, 3376..3386, 3858..3935, 5307..5419, 7310..7403, 7933..8037		

Seq. No.	13345	Seq. ID	OJ991111_04.0125.C2
Gene No.	28384	Strand	+
Start	1	End	8037
Name	OJ991111_04.0125.C2.o1.gp	Method	AAT/GAP
Start	2826	End	3264

GI	uC-osflcyp050d05b1	Score	396
Exons	2826..2914, 3006..3103, 3212..3264		
GI Descrip.	'4455323/emb|CAB36783.1| 4.0e-09 (AL035525) aminopeptidase-like protein [Arabidopsis thaliana]'		

Seq. No.	13345	Seq. ID	OJ991111_04.0125.C2
Gene No.	28384	Strand	+
Start	1	End	8037
Name	OJ991111_04.0125.C2.o2.gp	Method	AAT/GAP
Start	2866	End	3315
GI	uC-osflcyp050d05b1	Score	346
Exons	2866..2914, 3006..3103, 3212..3315		
GI Descrip.	'4455323/emb|CAB36783.1| 4.0e-09 (AL035525) aminopeptidase-like protein [Arabidopsis thaliana]'		

Seq. No.	13345	Seq. ID	OJ991111_04.0125.C2
Gene No.	28384	Strand	+
Start	1	End	8037
Name	OJ991111_04.0125.C2.o3.gp	Method	AAT/GAP
Start	5308	End	5793
GI	none	Score	941
Exons	5308..5793		

Seq. No.	13345	Seq. ID	OJ991111_04.0125.C2
Gene No.	28384	Strand	+
Start	1	End	8037
Name	OJ991111_04.0125.C2.o4.gp	Method	AAT/GAP
Start	5788	End	5866
GI	none	Score	113
Exons	5788..5866		

Seq. No.	13345	Seq. ID	OJ991111_04.0125.C2
Gene No.	28385	Strand	+
Start	9274	End	24075
Name	OJ991111_04.0125.C2.o4.np	Method	AAT/NAP
Start	8556	End	23831
GI	5123569	Score	1252
Exons	8556..8745, 20174..20372, 20433..20773, 20985..21220, 21454..21781, 21886..22016, 22445..22795, 22941..23097, 23186..23478, 23585..23645, 23737..23831		
GI Descrip.	(AL079344) putative protein [Arabidopsis thaliana]		

Seq. No.	13345	Seq. ID	OJ991111_04.0125.C2
Gene No.	28385	Strand	+
Start	9274	End	24075
Name	OJ991111_04.0125.C2.o2.gs	Method	GENSCAN
Start	9274	End	12321
GI	none	Score	.75
Exons	9274..12321		

Seq. No.	13345	Seq. ID	OJ991111_04.0125.C2
Gene No.	28385	Strand	+
Start	9274	End	24075
Name	OJ991111_04.0125.C2.o3.gs	Method	GENSCAN
Start	13067	End	14815
GI	none	Score	.5
Exons	13067..13079, 13171..13614, 13637..13681, 14472..14633,		

14748..14815

Seq. No.	13345	Seq. ID	OJ991111_04.0125.C2
Gene No.	28385	Strand	+
Start	9274	End	24075
Name	OJ991111_04.0125.C2.o4.gs	Method	GENSCAN
Start	18651	End	24075
GI	none	Score	.61
Exons	18651..18815, 18856..18976, 19179..19293, 20083..21220, 21493..21781, 21886..22016, 22941..23097, 23186..23478, 23748..23837, 23992..24075		

Seq. No.	13345	Seq. ID	OJ991111_04.0125.C2
Gene No.	28386	Strand	+
Start	25318	End	25418
Name	OJ991111_04.0125.C2.o5.gp	Method	AAT/GAP
Start	25318	End	25418
GI	none	Score	169
Exons	25318..25418		

Seq. No.	13345	Seq. ID	OJ991111_04.0125.C2
Gene No.	28387	Strand	+
Start	26595	End	34125
Name	OJ991111_04.0125.C2.o5.np	Method	AAT/NAP
Start	26595	End	32803
GI	5441880	Score	1643
Exons	26595..27606, 28051..28079, 28338..28580, 32029..32115, 32717..32803		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	13345	Seq. ID	OJ991111_04.0125.C2
Gene No.	28387	Strand	+
Start	26595	End	34125
Name	OJ991111_04.0125.C2.o6.np	Method	AAT/NAP
Start	29476	End	33343
GI	5441880	Score	145
Exons	29476..29546, 33164..33343		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	13345	Seq. ID	OJ991111_04.0125.C2
Gene No.	28387	Strand	+
Start	26595	End	34125
Name	OJ991111_04.0125.C2.o6.gp	Method	AAT/GAP
Start	31747	End	31857
GI	uC-osflcyp088b12b1	Score	159
Exons	31747..31857		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	13345	Seq. ID	OJ991111_04.0125.C2
Gene No.	28387	Strand	+
Start	26595	End	34125
Name	OJ991111_04.0125.C2.o7.gs	Method	GENSCAN

Start	32921	End	34125
GI	none	Score	.49
Exons	32921..33329, 33393..33617, 34013..34125		

Seq. No.	13345	Seq. ID	OJ991111_04.0125.C2
Gene No.	28388	Strand	-
Start	1	End	1186
Name	OJ991111_04.0125.C2.o1.np	Method	AAT/NAP
Start	1	End	1028
GI	421954	Score	589
Exons	1..1028		
GI Descrip.	hypothetical protein 3 - potato transposon Tst1 gi|21433|emb|CAA36615| (X52387) ORF3 [Solanum tuberosum]		

Seq. No.	13345	Seq. ID	OJ991111_04.0125.C2
Gene No.	28388	Strand	-
Start	1	End	1186
Name	OJ991111_04.0125.C2.o2.np	Method	AAT/NAP
Start	1	End	1186
GI	3695393	Score	315
Exons	1..55, 162..529, 578..1186		
GI Descrip.	(AF096371) contains similarity to retroviral aspartyl proteases (Pfam: rvp.hmm, score: 11.80) [Arabidopsis thaliana]		

Seq. No.	13345	Seq. ID	OJ991111_04.0125.C2
Gene No.	28388	Strand	-
Start	1	End	1186
Name	OJ991111_04.0125.C2.o4.tw	Method	TBLASTX:Wheat
Start	17	End	508
GI	none	Score	43
Exons	17..103, 42..104, 122..508, 126..452		

Seq. No.	13345	Seq. ID	OJ991111_04.0125.C2
Gene No.	28388	Strand	-
Start	1	End	1186
Name	OJ991111_04.0125.C2.o7.tm	Method	TBLASTX:Maize
Start	32	End	415
GI	none	Score	126
Exons	32..415, 135..371		

Seq. No.	13345	Seq. ID	OJ991111_04.0125.C2
Gene No.	28388	Strand	-
Start	1	End	1186
Name	OJ991111_04.0125.C2.o3.tc	Method	TBLASTX:Cress
Start	35	End	328
GI	none	Score	84
Exons	35..58, 89..328, 153..302		

Seq. No.	13345	Seq. ID	OJ991111_04.0125.C2
Gene No.	28388	Strand	-
Start	1	End	1186
Name	OJ991111_04.0125.C2.o2.ts	Method	TBLASTX:Soybean
Start	164	End	568
GI	none	Score	95
Exons	164..475, 165..467, 479..529, 533..568		

Seq. No.	13345	Seq. ID	OJ991111_04.0125.C2

Gene No.	28388	Strand	-
Start	1	End	1186
Name	OJ991111_04.0125.C2.o4.tm	Method	TBLASTX:Maize
Start	416	End	871
GI	none	Score	70
Exons	416..505, 417..494, 519..650, 533..769, 537..716, 800..871, 807..860		

Seq. No.	13345	Seq. ID	OJ991111_04.0125.C2
Gene No.	28389	Strand	
Start	2399	End	5474
Name	OJ991111_04.0125.C2.o1.tm	Method	TBLASTX:Maize
Start	2399	End	5407
GI	none	Score	59
Exons	2399..2521, 2414..2515, 2430..2537, 2451..2534, 2547..2708, 2564..2737, 2572..2709, 2779..2919, 2792..2956, 2796..2924, 3005..3106, 3006..3095, 3006..3107, 3023..3100, 3209..3373, 3213..3374, 3222..3374, 3467..3598, 3469..3597, 3654..3737, 3655..3759, 3841..3936, 3846..3938, 5139..5216, 5271..5405, 5306..5407		

Seq. No.	13345	Seq. ID	OJ991111_04.0125.C2
Gene No.	28389	Strand	
Start	2399	End	5474
Name	OJ991111_04.0125.C2.o2.tc	Method	TBLASTX:Cress
Start	3200	End	5474
GI	none	Score	180
Exons	3200..3373, 3201..3374, 3460..3549, 3461..3598, 3469..3549, 5288..5446, 5307..5474		

Seq. No.	13345	Seq. ID	OJ991111_04.0125.C2
Gene No.	28390	Strand	
Start	11440	End	11949
Name	OJ991111_04.0125.C2.o4.ts	Method	TBLASTX:Soybean
Start	11440	End	11808
GI	none	Score	89
Exons	11440..11580, 11449..11559, 11605..11688, 11715..11786, 11716..11808		

Seq. No.	13345	Seq. ID	OJ991111_04.0125.C2
Gene No.	28390	Strand	
Start	11440	End	11949
Name	OJ991111_04.0125.C2.o6.tm	Method	TBLASTX:Maize
Start	11473	End	11949
GI	none	Score	112
Exons	11473..11580, 11523..11579, 11604..11747, 11605..11799, 11611..11751, 11851..11895, 11905..11949		

Seq. No.	13345	Seq. ID	OJ991111_04.0125.C2
Gene No.	28391	Strand	
Start	11851	End	12270
Name	OJ991111_04.0125.C2.o3.tw	Method	TBLASTX:Wheat
Start	11851	End	12270
GI	none	Score	61
Exons	11851..11895, 11896..11985, 11986..12198, 11988..12176, 12172..12270, 12174..12257		

Seq. No.	13345	Seq. ID	OJ991111_04.0125.C2
Gene No.	28392	Strand	
Start	12201	End	13671
Name	OJ991111_04.0125.C2.o2.tm	Method	TBLASTX:Maize
Start	12201	End	13575
GI	none	Score	122
Exons	12201..12311, 12202..12288, 13050..13277, 13050..13277, 13051..13278, 13051..13287, 13379..13513, 13388..13549, 13389..13562, 13393..13575		

Seq. No.	13345	Seq. ID	OJ991111_04.0125.C2
Gene No.	28392	Strand	
Start	12201	End	13671
Name	OJ991111_04.0125.C2.o3.ts	Method	TBLASTX:Soybean
Start	13388	End	13671
GI	none	Score	262
Exons	13388..13549, 13389..13613, 13401..13601, 13548..13661, 13582..13671		

Seq. No.	13345	Seq. ID	OJ991111_04.0125.C2
Gene No.	28393	Strand	
Start	20984	End	29660
Name	OJ991111_04.0125.C2.o8.tm	Method	TBLASTX:Maize
Start	20984	End	29660
GI	none	Score	67
Exons	20984..21142, 21564..21785, 21565..21798, 29532..29660		

Seq. No.	13345	Seq. ID	OJ991111_04.0125.C2
Gene No.	28393	Strand	
Start	20984	End	29660
Name	OJ991111_04.0125.C2.o5.tm	Method	TBLASTX:Maize
Start	22427	End	23499
GI	none	Score	37
Exons	22427..22459, 22463..22555, 22989..23126, 23184..23468, 23185..23499		

Seq. No.	13345	Seq. ID	OJ991111_04.0125.C2
Gene No.	28393	Strand	
Start	20984	End	29660
Name	OJ991111_04.0125.C2.o1.tc	Method	TBLASTX:Cress
Start	22456	End	23650
GI	none	Score	106
Exons	22456..22584, 22457..22594, 22550..22804, 22651..22695, 22941..23108, 23184..23462, 23185..23484, 23588..23650		

Seq. No.	13345	Seq. ID	OJ991111_04.0125.C2
Gene No.	28393	Strand	
Start	20984	End	29660
Name	OJ991111_04.0125.C2.o1.ts	Method	TBLASTX:Soybean
Start	22652	End	23504
GI	none	Score	83
Exons	22652..22789, 22940..23113, 22941..23126, 23171..23479, 23184..23468, 23185..23484, 23185..23478, 23186..23482, 23190..23504		

Seq. No.	13345	Seq. ID	OJ991111_04.0125.C2
Gene No.	28393	Strand	

Start	20984	End	29660
Name	OJ991111_04.0125.C2.o1.tw	Method	TBLASTX:Wheat
Start	22686	End	23357
GI	none	Score	134
Exons	22686..22763, 22691..22795, 22694..22795, 22935..23099, 22944..23096, 23020..23115, 23184..23357, 23185..23355, 23196..23357		

Seq. No.	13345	Seq. ID	OJ991111_04.0125.C2
Gene No.	28393	Strand	
Start	20984	End	29660
Name	OJ991111_04.0125.C2.o3.tm	Method	TBLASTX:Maize
Start	27162	End	27758
GI	none	Score	371
Exons	27162..27629, 27167..27640, 27687..27758		

Seq. No.	13345	Seq. ID	OJ991111_04.0125.C2
Gene No.	28393	Strand	
Start	20984	End	29660
Name	OJ991111_04.0125.C2.o2.tw	Method	TBLASTX:Wheat
Start	27458	End	27833
GI	none	Score	181
Exons	27458..27610, 27459..27635, 27659..27727, 27660..27833, 27682..27822		

Seq. No.	13346	Seq. ID	OJ991111_04.0125.C3
Gene No.	28394	Strand	+
Start	1	End	5481
Name	OJ991111_04.0125.C3.o1.np	Method	AAT/NAP
Start	1	End	1790
GI	4539363	Score	131
Exons	1..118, 354..598, 1732..1790		
GI Descrip.	(AL049525) putative protein [Arabidopsis thaliana]		

Seq. No.	13346	Seq. ID	OJ991111_04.0125.C3
Gene No.	28394	Strand	+
Start	1	End	5481
Name	OJ991111_04.0125.C3.o1.gs	Method	GENSCAN
Start	277	End	5481
GI	none	Score	.61
Exons	277..713, 827..968, 1175..1310, 1948..2045, 2235..2370, 2497..2625, 2877..3002, 3086..3193, 3294..3389, 4382..4721, 4845..4966, 5086..5207, 5368..5481		

Seq. No.	13346	Seq. ID	OJ991111_04.0125.C3
Gene No.	28395	Strand	+
Start	8887	End	11975
Name	OJ991111_04.0125.C3.o3.gs	Method	GENSCAN
Start	8887	End	9286
GI	none	Score	.98
Exons	8887..8904, 9164..9286		

Seq. No.	13346	Seq. ID	OJ991111_04.0125.C3
Gene No.	28395	Strand	+
Start	8887	End	11975
Name	OJ991111_04.0125.C3.o1.gp	Method	AAT/GAP
Start	9097	End	10273

GI	none	Score	1060
Exons	9097..9329, 9957..10273		

Seq. No.	13346	Seq. ID	OJ991111_04.0125.C3
Gene No.	28395	Strand	+
Start	8887	End	11975
Name	OJ991111_04.0125.C3.o2.np	Method	AAT/NAP
Start	9982	End	11975
GI	4415936	Score	358
Exons	9982..10365, 10486..10846, 11549..11975		
GI Descrip.	(AC006418) unknown protein [Arabidopsis thaliana]		

Seq. No.	13346	Seq. ID	OJ991111_04.0125.C3
Gene No.	28395	Strand	+
Start	8887	End	11975
Name	OJ991111_04.0125.C3.o4.gs	Method	GENSCAN
Start	9982	End	11970
GI	none	Score	.81
Exons	9982..10883, 11481..11970		

Seq. No.	13346	Seq. ID	OJ991111_04.0125.C3
Gene No.	28395	Strand	+
Start	8887	End	11975
Name	OJ991111_04.0125.C3.o2.gp	Method	AAT/GAP
Start	10405	End	11918
GI	58733_1.R1084	Score	1646
Exons	10405..10883, 11481..11918		
GI Descrip.	'4415936/gb|AAD20166| 9.0e-17 (AC006418) unknown protein [Arabidopsis thaliana]'		

Seq. No.	13346	Seq. ID	OJ991111_04.0125.C3
Gene No.	28396	Strand	+
Start	15829	End	17112
Name	OJ991111_04.0125.C3.o6.gs	Method	GENSCAN
Start	15829	End	17112
GI	none	Score	.77
Exons	15829..15864, 15925..16101, 16366..17112		

Seq. No.	13346	Seq. ID	OJ991111_04.0125.C3
Gene No.	28397	Strand	+
Start	18143	End	18401
Name	OJ991111_04.0125.C3.o5.gp	Method	AAT/GAP
Start	18143	End	18401
GI	3106760	Score	471
Exons	18143..18401		

Seq. No.	13346	Seq. ID	OJ991111_04.0125.C3
Gene No.	28398	Strand	-
Start	6451	End	6994
Name	OJ991111_04.0125.C3.o2.gs	Method	GENSCAN
Start	6451	End	6994
GI	none	Score	.72
Exons	6451..6700, 6984..6994		

Seq. No.	13346	Seq. ID	OJ991111_04.0125.C3
Gene No.	28399	Strand	-
Start	13662	End	16965

Name	OJ991111_04.0125.C3.o3.gp	Method	AAT/GAP
Start	13415	End	14778
GI	57414_1.R1084	Score	1078
Exons	13415..13757, 13868..13984, 14665..14778		
GI Descrip.	'3135273 1.0e-10 (AC003058) hypothetical protein [Arabidopsis thaliana] >gi_4191773 (AC005917) putative WD-40 repeat protein [Arabidopsis thaliana]'		

Seq. No.	13346	Seq. ID	OJ991111_04.0125.C3
Gene No.	28399	Strand	-
Start	13662	End	16965
Name	OJ991111_04.0125.C3.o5.gs	Method	GENSCAN
Start	13662	End	15483
GI	none	Score	.93
Exons	13662..13757, 13868..13984, 14665..14775, 14861..14967, 15275..15314, 15421..15483		

Seq. No.	13346	Seq. ID	OJ991111_04.0125.C3
Gene No.	28399	Strand	-
Start	13662	End	16965
Name	OJ991111_04.0125.C3.o4.np	Method	AAT/NAP
Start	13671	End	16965
GI	4191773	Score	608
Exons	13671..13757, 14665..14775, 14861..14967, 15275..15310, 15417..15501, 15671..15724, 15893..15953, 16077..16122, 16369..16445, 16541..16639, 16739..16965		
GI Descrip.	(AC005917) putative WD-40 repeat protein [Arabidopsis thaliana]		

Seq. No.	13346	Seq. ID	OJ991111_04.0125.C3
Gene No.	28399	Strand	-
Start	13662	End	16965
Name	OJ991111_04.0125.C3.o4.gp	Method	AAT/GAP
Start	15274	End	16660
GI	uC-osf1M202046h12b1	Score	828
Exons	15274..15314, 15421..15501, 15671..15724, 15893..15953, 16077..16122, 16369..16445, 16541..16660		
GI Descrip.	'3135273 3.0e-46 (AC003058) hypothetical protein [Arabidopsis thaliana] >gi_4191773 (AC005917) putative WD-40 repeat protein [Arabidopsis thaliana]'		

Seq. No.	13346	Seq. ID	OJ991111_04.0125.C3
Gene No.	28400	Strand	-
Start	18341	End	19479
Name	OJ991111_04.0125.C3.o5.np	Method	AAT/NAP
Start	18341	End	19479
GI	6648159	Score	142
Exons	18341..18543, 19422..19479		
GI Descrip.	(AC010926) unknown protein [Arabidopsis thaliana]		

Seq. No.	13346	Seq. ID	OJ991111_04.0125.C3
Gene No.	28401	Strand	-
Start	19632	End	19867
Name	OJ991111_04.0125.C3.o6.gp	Method	AAT/GAP
Start	19632	End	19867
GI	none	Score	415
Exons	19632..19867		

Seq. No.	13346	Seq. ID	OJ991111_04.0125.C3
Gene No.	28401	Strand	-
Start	19632	End	19867
Name	OJ991111_04.0125.C3.o6.np	Method	AAT/NAP
Start	19654	End	19822
GI	6648159	Score	111
Exons	19654..19822		
GI Descrip.	(AC010926) unknown protein [Arabidopsis thaliana]		

Seq. No.	13346	Seq. ID	OJ991111_04.0125.C3
Gene No.	28402	Strand	-
Start	23479	End	27671
Name	OJ991111_04.0125.C3.o5.tm	Method	TBLASTX:Maize
Start	10001	End	10377
GI	none	Score	215
Exons	10001..10279, 10002..10280, 10024..10344, 10024..10344, 10035..10367, 10326..10376, 10345..10377		

Seq. No.	13346	Seq. ID	OJ991111_04.0125.C3
Gene No.	28402	Strand	-
Start	23479	End	27671
Name	OJ991111_04.0125.C3.o3.tm	Method	TBLASTX:Maize
Start	10484	End	11990
GI	none	Score	170
Exons	10484..10696, 10486..10701, 10487..10654, 10488..10697, 10489..10701, 10686..10751, 10687..10752, 10706..10762, 10730..10762, 10758..10823, 10759..10854, 10761..10862, 10816..10875, 10818..10862, 11458..11799, 11480..11767, 11494..11775, 11767..11877, 11769..11813, 11770..11976, 11912..11977, 11925..11990		

Seq. No.	13346	Seq. ID	OJ991111_04.0125.C3
Gene No.	28402	Strand	-
Start	23479	End	27671
Name	OJ991111_04.0125.C3.o6.tm	Method	TBLASTX:Maize
Start	13648	End	14703
GI	none	Score	125
Exons	13648..13758, 13661..13741, 13662..13757, 13672..13758, 13865..13987, 13865..13984, 13869..13994, 14662..14703		

Seq. No.	13346	Seq. ID	OJ991111_04.0125.C3
Gene No.	28402	Strand	-
Start	23479	End	27671
Name	OJ991111_04.0125.C3.o8.tm	Method	TBLASTX:Maize
Start	16365	End	16944
GI	none	Score	69
Exons	16365..16409, 16367..16408, 16369..16449, 16370..16447, 16541..16654, 16543..16656, 16543..16647, 16568..16654, 16599..16748, 16876..16944		

Seq. No.	13346	Seq. ID	OJ991111_04.0125.C3
Gene No.	28402	Strand	-
Start	23479	End	27671
Name	OJ991111_04.0125.C3.o1.tw	Method	TBLASTX:Wheat
Start	18356	End	19821
GI	none	Score	81
Exons	18356..18505, 18356..18505, 18369..18506, 18426..18491,		

18428..18493, 18443..18493, 18448..18516, 18497..18544,
18498..18566, 19633..19821, 19642..19821, 19741..19806

Seq. No.	13346	Seq. ID	OJ991111_04.0125.C3
Gene No.	28402	Strand	-
Start	23479	End	27671
Name	OJ991111_04.0125.C3.o7.tm	Method	TBLASTX:Maize
Start	18356	End	19868
GI	none	Score	111
Exons	18356..18508, 18381..18506, 18440..18502, 18440..18526, 18445..18513, 19645..19863, 19647..19868, 19647..19868		

Seq. No.	13346	Seq. ID	OJ991111_04.0125.C3
Gene No.	28402	Strand	-
Start	23479	End	27671
Name	OJ991111_04.0125.C3.o3.ts	Method	TBLASTX:Soybean
Start	21411	End	22054
GI	none	Score	127
Exons	21411..21500, 21422..21499, 21594..21707, 21610..21714, 21703..21726, 21859..21936, 21971..22054, 21980..22042		

Seq. No.	13346	Seq. ID	OJ991111_04.0125.C3
Gene No.	28402	Strand	-
Start	23479	End	27671
Name	OJ991111_04.0125.C3.o3.tc	Method	TBLASTX:Cress
Start	21429	End	22486
GI	none	Score	111
Exons	21429..21500, 21431..21499, 21598..21726, 21612..21725, 21858..21935, 21865..21936, 21976..22044, 21977..22042, 21992..22045, 22150..22233, 22151..22234, 22421..22486, 22421..22486		

Seq. No.	13346	Seq. ID	OJ991111_04.0125.C3
Gene No.	28402	Strand	-
Start	23479	End	27671
Name	OJ991111_04.0125.C3.o9.tm	Method	TBLASTX:Maize
Start	21838	End	22559
GI	none	Score	45
Exons	21838..21909, 21976..22041, 21977..22042, 21980..22054, 22152..22187, 22153..22188, 22154..22189, 22195..22233, 22202..22243, 22205..22243, 22418..22558, 22421..22558, 22452..22559		

Seq. No.	13346	Seq. ID	OJ991111_04.0125.C3
Gene No.	28402	Strand	-
Start	23479	End	27671
Name	OJ991111_04.0125.C3.o8.gs	Method	GENSCAN
Start	23479	End	27290
GI	none	Score	.86
Exons	23479..23506, 25030..25134, 25551..26122, 26575..26963, 27108..27290		

Seq. No.	13346	Seq. ID	OJ991111_04.0125.C3
Gene No.	28402	Strand	-
Start	23479	End	27671
Name	OJ991111_04.0125.C3.o1.tc	Method	TBLASTX:Cress
Start	25392	End	26863

GI	none	Score	57
Exons	25392..25448, 25396..25449, 25544..25579, 25545..25580, 25577..25603, 25668..25724, 25670..25723, 25727..25822, 25737..25823, 25844..26110, 25890..26036, 26542..26598, 26581..26628, 26626..26685, 26627..26671, 26654..26863, 26668..26862		

Seq. No.	13346	Seq. ID	OJ991111_04.0125.C3
Gene No.	28402	Strand	-
Start	23479	End	27671
Name	OJ991111_04.0125.C3.o1.ts	Method	TBLASTX:Soybean
Start	25392	End	26056
GI	none	Score	48
Exons	25392..25448, 25399..25449, 25544..25807, 25545..25808, 25853..26056, 25881..26042		

Seq. No.	13346	Seq. ID	OJ991111_04.0125.C3
Gene No.	28402	Strand	-
Start	23479	End	27671
Name	OJ991111_04.0125.C3.o7.np	Method	AAT/NAP
Start	25395	End	27671
GI	4903006	Score	1272
Exons	25395..25446, 25551..26122, 26575..26957, 27108..27431, 27555..27671		
GI Descrip.	(AB027458) ACE [Arabidopsis thaliana] gi|5903086|gb|AAD55644.1|AC008017_17 (AC008017) ACE [Arabidopsis thaliana]		

Seq. No.	13346	Seq. ID	OJ991111_04.0125.C3
Gene No.	28402	Strand	-
Start	23479	End	27671
Name	OJ991111_04.0125.C3.o2.tm	Method	TBLASTX:Maize
Start	25544	End	25873
GI	none	Score	383
Exons	25544..25873, 25544..25873		

Seq. No.	13346	Seq. ID	OJ991111_04.0125.C3
Gene No.	28402	Strand	-
Start	23479	End	27671
Name	OJ991111_04.0125.C3.o7.gp	Method	AAT/GAP
Start	25552	End	26007
GI	65707_1.R1084	Score	859
Exons	25552..26007		
GI Descrip.	'4903006/dbj|BAA77837.1| 2.0e-33 (AB027458) ACE [Arabidopsis thaliana] >gi_5903086_gb_AAD55644.1_AC008017_17 (AC008017) ACE [Arabidopsis thaliana]'		

Seq. No.	13346	Seq. ID	OJ991111_04.0125.C3
Gene No.	28402	Strand	-
Start	23479	End	27671
Name	OJ991111_04.0125.C3.o1.tm	Method	TBLASTX:Maize
Start	25955	End	26974
GI	none	Score	85
Exons	25955..26023, 25956..26024, 26000..26137, 26028..26123, 26029..26124, 26549..26965, 26572..26973, 26576..26974		

Seq. No.	13346	Seq. ID	OJ991111_04.0125.C3

Gene No.	28402	Strand	-
Start	23479	End	27671
Name	OJ991111_04.0125.C3.o8.gp	Method	AAT/GAP
Start	26011	End	26906
GI	27472_1.R1084	Score	763
Exons	26011..26122, 26575..26906		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	13346	Seq. ID	OJ991111_04.0125.C3
Gene No.	28402	Strand	-
Start	23479	End	27671
Name	OJ991111_04.0125.C3.o2.ts	Method	TBLASTX:Soybean
Start	26063	End	27424
GI	none	Score	63
Exons	26063..26137, 26087..26125, 26542..26976, 26576..26983, 27103..27420, 27125..27424		

Seq. No.	13346	Seq. ID	OJ991111_04.0125.C3
Gene No.	28402	Strand	-
Start	23479	End	27671
Name	OJ991111_04.0125.C3.o4.tm	Method	TBLASTX:Maize
Start	27106	End	27436
GI	none	Score	325
Exons	27106..27423, 27107..27436		

Seq. No.	13346	Seq. ID	OJ991111_04.0125.C3
Gene No.	28402	Strand	-
Start	23479	End	27671
Name	OJ991111_04.0125.C3.o2.tc	Method	TBLASTX:Cress
Start	27112	End	27417
GI	none	Score	162
Exons	27112..27417, 27128..27406		

Seq. No.	13347	Seq. ID	OJ991111_04.0125.C4
Gene No.	28403	Strand	+
Start	6856	End	8528
Name	OJ991111_04.0125.C4.o3.gs	Method	GENSCAN
Start	6856	End	8528
GI	none	Score	.87
Exons	6856..7032, 8490..8528		

Seq. No.	13347	Seq. ID	OJ991111_04.0125.C4
Gene No.	28404	Strand	+
Start	13612	End	15892
Name	OJ991111_04.0125.C4.o5.gs	Method	GENSCAN
Start	13612	End	15032
GI	none	Score	.97
Exons	13612..13839, 13934..14079, 14452..14554, 14685..14871, 15003..15032		

Seq. No.	13347	Seq. ID	OJ991111_04.0125.C4
Gene No.	28404	Strand	+
Start	13612	End	15892
Name	OJ991111_04.0125.C4.o1.np	Method	AAT/NAP
Start	13642	End	15892

GI	4455323	Score	872
Exons	13642..13855, 13932..14079, 14412..14554, 14685..14978, 15239..15392, 15726..15892		
GI Descrip.	(AL035525) aminopeptidase-like protein [Arabidopsis thaliana]		

Seq. No.	13347	Seq. ID	OJ991111_04.0125.C4
Gene No.	28405	Strand	-
Start	347	End	812
Name	OJ991111_04.0125.C4.o1.gs	Method	GENSCAN
Start	347	End	812
GI	none	Score	.85
Exons	347..369, 424..574, 645..812		

Seq. No.	13347	Seq. ID	OJ991111_04.0125.C4
Gene No.	28406	Strand	-
Start	1547	End	4741
Name	OJ991111_04.0125.C4.o2.gs	Method	GENSCAN
Start	1547	End	4741
GI	none	Score	.53
Exons	1547..1740, 4558..4741		

Seq. No.	13347	Seq. ID	OJ991111_04.0125.C4
Gene No.	28407	Strand	-
Start	9881	End	10354
Name	OJ991111_04.0125.C4.o4.gs	Method	GENSCAN
Start	9881	End	10354
GI	none	Score	.79
Exons	9881..10354		

Seq. No.	13347	Seq. ID	OJ991111_04.0125.C4
Gene No.	28408	Strand	
Start	13645	End	14723
Name	OJ991111_04.0125.C4.o1.tc	Method	TBLASTX:Cress
Start	13645	End	14530
GI	none	Score	215
Exons	13645..13836, 13931..14077, 14449..14529, 14450..14530		

Seq. No.	13347	Seq. ID	OJ991111_04.0125.C4
Gene No.	28408	Strand	
Start	13645	End	14723
Name	OJ991111_04.0125.C4.o2.tm	Method	TBLASTX:Maize
Start	13645	End	14077
GI	none	Score	224
Exons	13645..13836, 13931..14077, 13970..14077		

Seq. No.	13347	Seq. ID	OJ991111_04.0125.C4
Gene No.	28408	Strand	
Start	13645	End	14723
Name	OJ991111_04.0125.C4.o2.ts	Method	TBLASTX:Soybean
Start	13645	End	14723
GI	none	Score	175
Exons	13645..13836, 13937..14077, 14446..14562, 14450..14554, 14473..14562, 14682..14723		

Seq. No.	13347	Seq. ID	OJ991111_04.0125.C4
Gene No.	28409	Strand	
Start	14724	End	14892

Name	OJ991111_04.0125.C4.o4.tm	Method	TBLASTX:Maize
Start	14724	End	14892
GI	none	Score	199
Exons	14724..14873, 14726..14875, 14791..14892		

Seq. No.	13347	Seq. ID	OJ991111_04.0125.C4
Gene No.	28410	Strand	
Start	15000	End	15845
Name	OJ991111_04.0125.C4.o1.tm	Method	TBLASTX:Maize
Start	15000	End	15555
GI	none	Score	81
Exons	15000..15095, 15001..15096, 15002..15100, 15002..15100, 15212..15403, 15219..15401, 15535..15555		

Seq. No.	13347	Seq. ID	OJ991111_04.0125.C4
Gene No.	28410	Strand	
Start	15000	End	15845
Name	OJ991111_04.0125.C4.o2.tc	Method	TBLASTX:Cress
Start	15225	End	15845
GI	none	Score	212
Exons	15225..15389, 15234..15395, 15242..15400, 15533..15640, 15534..15665, 15538..15642, 15726..15845		

Seq. No.	13347	Seq. ID	OJ991111_04.0125.C4
Gene No.	28410	Strand	
Start	15000	End	15845
Name	OJ991111_04.0125.C4.o1.ts	Method	TBLASTX:Soybean
Start	15318	End	15845
GI	none	Score	88
Exons	15318..15395, 15534..15641, 15534..15665, 15538..15642, 15726..15845, 15734..15844		

Seq. No.	13347	Seq. ID	OJ991111_04.0125.C4
Gene No.	28410	Strand	
Start	15000	End	15845
Name	OJ991111_04.0125.C4.o3.tm	Method	TBLASTX:Maize
Start	15555	End	15845
GI	none	Score	179
Exons	15555..15641, 15556..15642, 15556..15657, 15726..15845, 15734..15844		

Seq. No.	13348	Seq. ID	OJ991111_04.0125.C5
Gene No.	28411	Strand	+
Start	1	End	4713
Name	OJ991111_04.0125.C5.o1.np	Method	AAT/NAP
Start	1	End	4406
GI	4455323	Score	991
Exons	1..83, 904..1086, 1484..1769, 1867..1988, 2078..2175, 2311..2488, 2630..2744, 2837..2909, 2990..3103, 4059..4136, 4230..4406		
GI Descrip.	(AL035525) aminopeptidase-like protein [Arabidopsis thaliana]		

Seq. No.	13348	Seq. ID	OJ991111_04.0125.C5
Gene No.	28411	Strand	+
Start	1	End	4713
Name	OJ991111_04.0125.C5.o1.ts	Method	TBLASTX:Soybean
Start	870	End	2488

GI	none	Score	229
Exons	870..1061, 871..1086, 913..1086, 1489..1572, 1499..1597, 1628..1771, 1633..1773, 1866..1991, 2300..2485, 2314..2487, 2318..2488		

Seq. No.	13348	Seq. ID	OJ991111_04.0125.C5
Gene No.	28411	Strand	+
Start	1	End	4713
Name	OJ991111_04.0125.C5.o1.tm	Method	TBLASTX:Maize
Start	888	End	4328
GI	none	Score	296
Exons	888..1085, 898..1086, 898..1086, 899..1090, 1468..1677, 1499..1603, 1616..1771, 1623..1775, 1651..1773, 1859..1993, 1866..1997, 1870..1998, 2051..2167, 2077..2178, 2308..2487, 2312..2488, 2313..2504, 2315..2488, 2576..2746, 2628..2747, 2629..2748, 2823..2906, 2857..2907, 3025..3105, 3026..3103, 4050..4130, 4053..4118, 4229..4327, 4230..4328, 4230..4328		

Seq. No.	13348	Seq. ID	OJ991111_04.0125.C5
Gene No.	28411	Strand	+
Start	1	End	4713
Name	OJ991111_04.0125.C5.o1.gs	Method	GENSCAN
Start	904	End	4412
GI	none	Score	.84
Exons	904..1086, 1484..1769, 1867..1988, 2078..2175, 2311..2488, 2630..2744, 2837..2904, 3026..3103, 4230..4412		

Seq. No.	13348	Seq. ID	OJ991111_04.0125.C5
Gene No.	28411	Strand	+
Start	1	End	4713
Name	OJ991111_04.0125.C5.o2.tc	Method	TBLASTX:Cress
Start	1021	End	1773
GI	none	Score	71
Exons	1021..1086, 1480..1581, 1499..1591, 1639..1773, 1652..1771		

Seq. No.	13348	Seq. ID	OJ991111_04.0125.C5
Gene No.	28411	Strand	+
Start	1	End	4713
Name	OJ991111_04.0125.C5.o1.tc	Method	TBLASTX:Cress
Start	1908	End	4400
GI	none	Score	66
Exons	1908..2018, 2300..2488, 2311..2484, 2627..2746, 2629..2748, 4229..4372, 4230..4397, 4305..4400		

Seq. No.	13348	Seq. ID	OJ991111_04.0125.C5
Gene No.	28411	Strand	+
Start	1	End	4713
Name	OJ991111_04.0125.C5.o1.gp	Method	AAT/GAP
Start	4262	End	4713
GI	none	Score	890
Exons	4262..4713		

Seq. No.	13349	Seq. ID	OJ991111_04.0125.C6
Gene No.	28412	Strand	+
Start	1320	End	6098
Name	OJ991111_04.0125.C6.o1.gs	Method	GENSCAN
Start	1320	End	6098

GI	none	Score	.9
Exons	1320..1502, 1607..1752, 2800..2902, 3038..3224, 3341..3369, 3602..3724, 4004..4108, 4192..4308, 4729..4842, 4999..5163, 5916..6098		

Seq. No.	13349	Seq. ID	OJ991111_04.0125.C6
Gene No.	28412	Strand	+
Start	1320	End	6098
Name	OJ991111_04.0125.C6.o1.np	Method	AAT/NAP
Start	1332	End	6098
GI	4455323	Score	1200
Exons	1332..1528, 1588..1779, 2782..2902, 3038..3310, 3560..3724, 4192..4308, 4729..4842, 5916..6098		
GI Descrip.	(AL035525) aminopeptidase-like protein [Arabidopsis thaliana]		

Seq. No.	13349	Seq. ID	OJ991111_04.0125.C6
Gene No.	28413	Strand	-
Start	6564	End	6787
Name	OJ991111_04.0125.C6.o2.tc	Method	TBLASTX:Cress
Start	1341	End	2878
GI	none	Score	195
Exons	1341..1517, 1604..1750, 2788..2877, 2789..2878		

Seq. No.	13349	Seq. ID	OJ991111_04.0125.C6
Gene No.	28413	Strand	-
Start	6564	End	6787
Name	OJ991111_04.0125.C6.o2.ts	Method	TBLASTX:Soybean
Start	1341	End	3076
GI	none	Score	162
Exons	1341..1505, 1610..1750, 2789..2902, 2789..2905, 2791..2907, 2799..2912, 3035..3076		

Seq. No.	13349	Seq. ID	OJ991111_04.0125.C6
Gene No.	28413	Strand	-
Start	6564	End	6787
Name	OJ991111_04.0125.C6.o2.tm	Method	TBLASTX:Maize
Start	1341	End	1750
GI	none	Score	211
Exons	1341..1505, 1604..1750		

Seq. No.	13349	Seq. ID	OJ991111_04.0125.C6
Gene No.	28413	Strand	-
Start	6564	End	6787
Name	OJ991111_04.0125.C6.o4.ts	Method	TBLASTX:Soybean
Start	3076	End	3380
GI	none	Score	183
Exons	3076..3225, 3077..3226, 3345..3380		

Seq. No.	13349	Seq. ID	OJ991111_04.0125.C6
Gene No.	28413	Strand	-
Start	6564	End	6787
Name	OJ991111_04.0125.C6.o3.tm	Method	TBLASTX:Maize
Start	3077	End	3229
GI	none	Score	191
Exons	3077..3229, 3079..3228		

Seq. No.	13349	Seq. ID	OJ991111_04.0125.C6

Gene No.	28413	Strand	-
Start	6564	End	6787
Name	OJ991111_04.0125.C6.o1.tm	Method	TBLASTX:Maize
Start	3365	End	6099
GI	none	Score	82
Exons	3365..3436, 3366..3437, 3572..3766, 3574..3726, 3979..4110, 4003..4110, 4004..4111, 4007..4126, 4192..4311, 4197..4310, 4723..4842, 4728..4847, 4728..4841, 5900..6097, 5907..6098, 5907..6098, 5908..6099		

Seq. No.	13349	Seq. ID	OJ991111_04.0125.C6
Gene No.	28413	Strand	-
Start	6564	End	6787
Name	OJ991111_04.0125.C6.o1.tc	Method	TBLASTX:Cress
Start	3572	End	4842
GI	none	Score	202
Exons	3572..3766, 3574..3732, 4003..4134, 4004..4111, 4021..4119, 4192..4311, 4194..4310, 4723..4842, 4728..4841		

Seq. No.	13349	Seq. ID	OJ991111_04.0125.C6
Gene No.	28413	Strand	-
Start	6564	End	6787
Name	OJ991111_04.0125.C6.o1.ts	Method	TBLASTX:Soybean
Start	3650	End	4316
GI	none	Score	93
Exons	3650..3766, 4003..4134, 4004..4111, 4023..4118, 4192..4311, 4194..4316		

Seq. No.	13349	Seq. ID	OJ991111_04.0125.C6
Gene No.	28413	Strand	-
Start	6564	End	6787
Name	OJ991111_04.0125.C6.o3.ts	Method	TBLASTX:Soybean
Start	4777	End	6098
GI	none	Score	58
Exons	4777..4821, 5882..6073, 5883..6098, 5925..6098		

Seq. No.	13349	Seq. ID	OJ991111_04.0125.C6
Gene No.	28413	Strand	-
Start	6564	End	6787
Name	OJ991111_04.0125.C6.o2.np	Method	AAT/NAP
Start	6564	End	6787
GI	2961349	Score	170
Exons	6564..6787		
GI Descrip.	(AL022140) LTR retrotransposon like protein [Arabidopsis thaliana]		

Seq. No.	13350	Seq. ID	OJ991111_04.0125.C7
Gene No.	28414	Strand	-
Start	1	End	1171
Name	OJ991111_04.0125.C7.o1.np	Method	AAT/NAP
Start	1	End	1171
GI	4388829	Score	1004
Exons	1..1171		
GI Descrip.	(AC006528) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	13350	Seq. ID	OJ991111_04.0125.C7

Gene No.	28414	Strand	-
Start	1	End	1171
Name	OJ991111_04.0125.C7.o2.tw	Method	TBLASTX:Wheat
Start	2	End	361
GI	none	Score	81
Exons	2..220, 90..221, 251..361		

Seq. No.	13350	Seq. ID	OJ991111_04.0125.C7
Gene No.	28414	Strand	-
Start	1	End	1171
Name	OJ991111_04.0125.C7.o2.ts	Method	TBLASTX:Soybean
Start	3	End	413
GI	none	Score	109
Exons	3..224, 5..223, 236..412, 237..413		

Seq. No.	13350	Seq. ID	OJ991111_04.0125.C7
Gene No.	28414	Strand	-
Start	1	End	1171
Name	OJ991111_04.0125.C7.o2.tm	Method	TBLASTX:Maize
Start	11	End	409
GI	none	Score	110
Exons	11..244, 242..409		

Seq. No.	13350	Seq. ID	OJ991111_04.0125.C7
Gene No.	28414	Strand	-
Start	1	End	1171
Name	OJ991111_04.0125.C7.o1.gs	Method	GENSCAN
Start	31	End	1030
GI	none	Score	.64
Exons	31..1030		

Seq. No.	13350	Seq. ID	OJ991111_04.0125.C7
Gene No.	28414	Strand	-
Start	1	End	1171
Name	OJ991111_04.0125.C7.o2.tc	Method	TBLASTX:Cress
Start	275	End	553
GI	none	Score	189
Exons	275..553		

Seq. No.	13350	Seq. ID	OJ991111_04.0125.C7
Gene No.	28414	Strand	-
Start	1	End	1171
Name	OJ991111_04.0125.C7.o1.tw	Method	TBLASTX:Wheat
Start	371	End	917
GI	none	Score	101
Exons	371..580, 572..916, 690..917		

Seq. No.	13350	Seq. ID	OJ991111_04.0125.C7
Gene No.	28414	Strand	-
Start	1	End	1171
Name	OJ991111_04.0125.C7.o1.tm	Method	TBLASTX:Maize
Start	485	End	917
GI	none	Score	135
Exons	485..916, 597..917		

Seq. No.	13350	Seq. ID	OJ991111_04.0125.C7
Gene No.	28414	Strand	-

Start	1	End	1171
Name	OJ991111_04.0125.C7.o1.ts	Method	TBLASTX:Soybean
Start	602	End	1094
GI	5509260	Score	70
Exons	602..1093, 606..758, 715..882, 804..1094		
GI Descrip.	-		

Seq. No.	13350	Seq. ID	OJ991111_04.0125.C7
Gene No.	28414	Strand	-
Start	1	End	1171
Name	OJ991111_04.0125.C7.o1.tc	Method	TBLASTX:Cress
Start	698	End	967
GI	none	Score	79
Exons	698..967, 707..901, 786..953		

Seq. No.	13351	Seq. ID	OJ991101_09.0131.C1
Gene No.	28415	Strand	-
Start	1	End	496
Name	OJ991101_09.0131.C1.o1.np	Method	AAT/NAP
Start	1	End	496
GI	6957519	Score	213
Exons	1..496		
GI Descrip.	(AC022288) putative gag-pol polyprotein [Arabidopsis thaliana]		

Seq. No.	13351	Seq. ID	OJ991101_09.0131.C1
Gene No.	28415	Strand	-
Start	1	End	496
Name	OJ991101_09.0131.C1.o1.tw	Method	TBLASTX:Wheat
Start	32	End	343
GI	none	Score	72
Exons	32..343, 38..322		

Seq. No.	13351	Seq. ID	OJ991101_09.0131.C1
Gene No.	28415	Strand	-
Start	1	End	496
Name	OJ991101_09.0131.C1.o1.tm	Method	TBLASTX:Maize
Start	206	End	481
GI	none	Score	84
Exons	206..481, 236..427		

Seq. No.	13352	Seq. ID	OJ991101_09.0131.C4
Gene No.	28416	Strand	-
Start	1	End	690
Name	OJ991101_09.0131.C4.o1.np	Method	AAT/NAP
Start	1	End	690
GI	2443320	Score	691
Exons	1..690		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	13352	Seq. ID	OJ991101_09.0131.C4
Gene No.	28416	Strand	-
Start	1	End	690
Name	OJ991101_09.0131.C4.o1.tw	Method	TBLASTX:Wheat
Start	19	End	428
GI	none	Score	45
Exons	19..117, 28..117, 35..151, 124..288, 125..427, 126..428		

Seq. No.	13353	Seq. ID	OJ991101_09.0131.C5
Gene No.	28417	Strand	-
Start	1	End	331
Name	OJ991101_09.0131.C5.o1.np	Method	AAT/NAP
Start	1	End	331
GI	2443320	Score	368
Exons	1..331		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	13353	Seq. ID	OJ991101_09.0131.C5
Gene No.	28418	Strand	-
Start	1221	End	2941
Name	OJ991101_09.0131.C5.o1.gs	Method	GENSCAN
Start	1221	End	2941
GI	none	Score	.53
Exons	1221..1303, 1341..1512, 2879..2941		

Seq. No.	13354	Seq. ID	OJ991101_09.0131.C6
Gene No.	28419	Strand	+
Start	1	End	3452
Name	OJ991101_09.0131.C6.o1.np	Method	AAT/NAP
Start	1	End	3452
GI	6069646	Score	85
Exons	1..60, 746..902, 3413..3452		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	13355	Seq. ID	OJ991101_09.0131.C7
Gene No.	28420	Strand	-
Start	3623	End	6196
Name	OJ991101_09.0131.C7.o1.np	Method	AAT/NAP
Start	3600	End	6196
GI	3451068	Score	336
Exons	3600..3781, 5482..5560, 5691..5844, 6088..6196		
GI Descrip.	(AL031326) putative protein [Arabidopsis thaliana]		

Seq. No.	13355	Seq. ID	OJ991101_09.0131.C7
Gene No.	28420	Strand	-
Start	3623	End	6196
Name	OJ991101_09.0131.C7.o1.tm	Method	TBLASTX:Maize
Start	3605	End	3785
GI	none	Score	69
Exons	3605..3784, 3623..3766, 3645..3785		

Seq. No.	13355	Seq. ID	OJ991101_09.0131.C7
Gene No.	28420	Strand	-
Start	3623	End	6196
Name	OJ991101_09.0131.C7.o2.gs	Method	GENSCAN
Start	3623	End	5809
GI	none	Score	.86
Exons	3623..3781, 4434..4480, 4991..5075, 5627..5809		

Seq. No.	13355	Seq. ID	OJ991101_09.0131.C7
Gene No.	28420	Strand	-

Start	3623	End	6196
Name	OJ991101_09.0131.C7.o1.ts	Method	TBLASTX:Soybean
Start	3630	End	3785
GI	none	Score	139
Exons	3630..3785, 3632..3784		

Seq. No.	13356	Seq. ID	OJ991101_09.0131.C8
Gene No.	28421	Strand	+
Start	210	End	619
Name	OJ991101_09.0131.C8.o1.gs	Method	GENSCAN
Start	210	End	619
GI	none	Score	.98
Exons	210..619		

Seq. No.	13356	Seq. ID	OJ991101_09.0131.C8
Gene No.	28422	Strand	-
Start	1487	End	3922
Name	OJ991101_09.0131.C8.o2.gs	Method	GENSCAN
Start	1487	End	3922
GI	none	Score	.73
Exons	1487..1625, 2092..2219, 2626..2702, 3561..3661, 3876..3922		

Seq. No.	13356	Seq. ID	OJ991101_09.0131.C8
Gene No.	28422	Strand	-
Start	1487	End	3922
Name	OJ991101_09.0131.C8.o1.tm	Method	TBLASTX:Maize
Start	2049	End	2223
GI	none	Score	72
Exons	2049..2222, 2067..2204, 2083..2223		

Seq. No.	13356	Seq. ID	OJ991101_09.0131.C8
Gene No.	28422	Strand	-
Start	1487	End	3922
Name	OJ991101_09.0131.C8.o1.np	Method	AAT/NAP
Start	2055	End	2227
GI	629592	Score	136
Exons	2055..2227		
GI Descrip.	hypothetical protein - rape gi|6065752|emb|CAB58175.1| (X74225) putative pod-specific dehydrogenase SAC25 [Brassica napus]		

Seq. No.	13356	Seq. ID	OJ991101_09.0131.C8
Gene No.	28422	Strand	-
Start	1487	End	3922
Name	OJ991101_09.0131.C8.o1.ts	Method	TBLASTX:Soybean
Start	2073	End	2223
GI	none	Score	135
Exons	2073..2222, 2080..2223		

Seq. No.	13357	Seq. ID	OJ991101_09.0131.C9
Gene No.	28423	Strand	+
Start	9392	End	10747
Name	OJ991101_09.0131.C9.o3.gs	Method	GENSCAN
Start	9392	End	10278
GI	none	Score	.92
Exons	9392..9394, 10103..10278		

Seq. No.	13357	Seq. ID	OJ991101_09.0131.C9

Gene No.	28423	Strand	+
Start	9392	End	10747
Name	OJ991101_09.0131.C9.o3.np	Method	AAT/NAP
Start	9583	End	10747
GI	539029	Score	51
Exons	9583..9693, 9908..10032, 10086..10235, 10656..10747		
GI Descrip.	cysteine-rich extensin-like protein 1 precursor - common tobacco gi|310923 (L13439) cysteine-rich extensin-like protein-1 [Nicotiana tabacum]		

Seq. No.	13357	Seq. ID	OJ991101_09.0131.C9
Gene No.	28424	Strand	-
Start	1	End	3148
Name	OJ991101_09.0131.C9.o1.np	Method	AAT/NAP
Start	1	End	3148
GI	3451068	Score	413
Exons	1..83, 378..457, 881..917, 988..1233, 3040..3148		
GI Descrip.	(AL031326) putative protein [Arabidopsis thaliana]		

Seq. No.	13357	Seq. ID	OJ991101_09.0131.C9
Gene No.	28425	Strand	-
Start	5074	End	7555
Name	OJ991101_09.0131.C9.o2.np	Method	AAT/NAP
Start	5074	End	7555
GI	6815062	Score	2626
Exons	5074..5309, 5364..5384, 5683..6022, 6100..6198, 6280..6624, 6668..7226, 7321..7555		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	13357	Seq. ID	OJ991101_09.0131.C9
Gene No.	28425	Strand	-
Start	5074	End	7555
Name	OJ991101_09.0131.C9.o2.gs	Method	GENSCAN
Start	5669	End	7489
GI	none	Score	.95
Exons	5669..6022, 6100..6198, 6280..6521, 6942..7226, 7321..7489		

Seq. No.	13357	Seq. ID	OJ991101_09.0131.C9
Gene No.	28425	Strand	-
Start	5074	End	7555
Name	OJ991101_09.0131.C9.o2.tm	Method	TBLASTX:Maize
Start	5939	End	6867
GI	none	Score	67
Exons	5939..6037, 6280..6390, 6399..6575, 6667..6693, 6700..6867, 6700..6867		

Seq. No.	13357	Seq. ID	OJ991101_09.0131.C9
Gene No.	28425	Strand	-
Start	5074	End	7555
Name	OJ991101_09.0131.C9.o1.tm	Method	TBLASTX:Maize
Start	6907	End	7387
GI	none	Score	157
Exons	6907..7137, 6920..7135, 7136..7195, 7160..7234, 7165..7233, 7298..7387		

Seq. No.	13358	Seq. ID	OJ991101_09.0131.C10
Gene No.	28426	Strand	-
Start	1210	End	1772
Name	OJ991101_09.0131.C10.o1.gs	Method	GENSCAN
Start	1210	End	1772
GI	none	Score	.65
Exons	1210..1388, 1682..1772		

Seq. No.	13359	Seq. ID	OJ991101_09.0131.C11
Gene No.	28427	Strand	-
Start	199	End	491
Name	OJ991101_09.0131.C11.o1.gp	Method	AAT/GAP
Start	199	End	491
GI	454488	Score	171
Exons	199..305, 464..491		
GI Descrip.	4249382/gb|AAD14479| 4.0e-18 (AC005966) Strong similarity to gi_3337350 F13P17.3 putative permease from Arabidopsis thaliana BAC gb_AC004481. [Arabidopsis thaliana]		

Seq. No.	13359	Seq. ID	OJ991101_09.0131.C11
Gene No.	28428	Strand	-
Start	495	End	1311
Name	OJ991101_09.0131.C11.o1.tm	Method	TBLASTX:Maize
Start	448	End	1258
GI	none	Score	292
Exons	448..726, 453..734, 466..726, 471..728, 810..995, 820..990, 1205..1258		

Seq. No.	13359	Seq. ID	OJ991101_09.0131.C11
Gene No.	28428	Strand	-
Start	495	End	1311
Name	OJ991101_09.0131.C11.o1.ts	Method	TBLASTX:Soybean
Start	474	End	671
GI	none	Score	133
Exons	474..671, 475..669		

Seq. No.	13359	Seq. ID	OJ991101_09.0131.C11
Gene No.	28428	Strand	-
Start	495	End	1311
Name	OJ991101_09.0131.C11.o1.gs	Method	GENSCAN
Start	495	End	1311
GI	none	Score	.61
Exons	495..734, 819..992, 1205..1311		

Seq. No.	13360	Seq. ID	OJ991101_09.0131.C12
Gene No.	28429	Strand	-
Start	1	End	2662
Name	OJ991101_09.0131.C12.o1.np	Method	AAT/NAP
Start	1	End	2300
GI	4432814	Score	181
Exons	1..59, 961..1017, 1746..2021, 2127..2300		
GI Descrip.	(AC006593) unknown protein [Arabidopsis thaliana]		

Seq. No.	13360	Seq. ID	OJ991101_09.0131.C12
Gene No.	28429	Strand	-
Start	1	End	2662
Name	OJ991101_09.0131.C12.o1.gs	Method	GENSCAN

Start	1746	End	2662
GI	none	Score	.94
Exons	1746..2021, 2127..2558, 2627..2662		

Seq. No.	13361	Seq. ID	OJ991101_09.0131.C13
Gene No.	28430	Strand	+
Start	348	End	3515
Name	OJ991101_09.0131.C13.o1.gs	Method	GENSCAN
Start	348	End	3515
GI	none	Score	.42
Exons	348..371, 569..675, 1095..1312, 1899..2101, 2121..2223, 2256..2356, 2437..2574, 3375..3515		

Seq. No.	13361	Seq. ID	OJ991101_09.0131.C13
Gene No.	28431	Strand	-
Start	1632	End	3118
Name	OJ991101_09.0131.C13.o1.np	Method	AAT/NAP
Start	1632	End	3118
GI	5852093	Score	100
Exons	1632..1740, 3067..3118		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	13362	Seq. ID	OJ991101_09.0131.C14
Gene No.	28432	Strand	-
Start	1	End	552
Name	OJ991101_09.0131.C14.o1.np	Method	AAT/NAP
Start	1	End	518
GI	2565009	Score	398
Exons	1..518		
GI Descrip.	(AC002983) putative zinc finger protein [Arabidopsis thaliana]		

Seq. No.	13362	Seq. ID	OJ991101_09.0131.C14
Gene No.	28432	Strand	-
Start	1	End	552
Name	OJ991101_09.0131.C14.o1.gs	Method	GENSCAN
Start	122	End	518
GI	none	Score	.88
Exons	122..518		

Seq. No.	13362	Seq. ID	OJ991101_09.0131.C14
Gene No.	28432	Strand	-
Start	1	End	552
Name	OJ991101_09.0131.C14.o1.tw	Method	TBLASTX:Wheat
Start	357	End	552
GI	none	Score	137
Exons	357..518, 358..519, 358..552, 449..526		

Seq. No.	13363	Seq. ID	OJ991101_09.0131.C15
Gene No.	28433	Strand	+
Start	1	End	4482
Name	OJ991101_09.0131.C15.o1.np	Method	AAT/NAP
Start	1	End	4482
GI	6056374	Score	1420
Exons	1..64, 169..240, 331..396, 493..558, 630..674, 813..874, 958..1337, 1422..1602, 1676..1831, 1916..2034, 2158..2368, 2544..2775, 2857..3007, 3095..3319, 4331..4482		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis		

thaliana]

Seq. No.	13363	Seq. ID	OJ991101_09.0131.C15
Gene No.	28433	Strand	+
Start	1	End	4482
Name	OJ991101_09.0131.C15.o1.gs	Method	GENSCAN
Start	958	End	3391
GI	none	Score	.85
Exons	958..1337, 1422..1548, 1676..1834, 1916..2034, 2158..2368, 2595..2775, 2857..3007, 3095..3391		

Seq. No.	13363	Seq. ID	OJ991101_09.0131.C15
Gene No.	28434	Strand	-
Start	3722	End	6022
Name	OJ991101_09.0131.C15.o4.tm	Method	TBLASTX:Maize
Start	805	End	1064
GI	none	Score	99
Exons	805..873, 807..884, 963..1064, 964..1011		

Seq. No.	13363	Seq. ID	OJ991101_09.0131.C15
Gene No.	28434	Strand	-
Start	3722	End	6022
Name	OJ991101_09.0131.C15.o2.ts	Method	TBLASTX:Soybean
Start	1020	End	1782
GI	none	Score	201
Exons	1020..1337, 1193..1336, 1235..1342, 1400..1468, 1422..1514, 1494..1556, 1563..1601, 1675..1782		

Seq. No.	13363	Seq. ID	OJ991101_09.0131.C15
Gene No.	28434	Strand	-
Start	3722	End	6022
Name	OJ991101_09.0131.C15.o2.tm	Method	TBLASTX:Maize
Start	1067	End	1556
GI	none	Score	282
Exons	1067..1327, 1068..1337, 1070..1339, 1191..1337, 1418..1546, 1422..1556		

Seq. No.	13363	Seq. ID	OJ991101_09.0131.C15
Gene No.	28434	Strand	-
Start	3722	End	6022
Name	OJ991101_09.0131.C15.o2.tc	Method	TBLASTX:Cress
Start	1110	End	1697
GI	none	Score	216
Exons	1110..1337, 1166..1330, 1419..1550, 1422..1556, 1560..1601, 1562..1603, 1674..1697		

Seq. No.	13363	Seq. ID	OJ991101_09.0131.C15
Gene No.	28434	Strand	-
Start	3722	End	6022
Name	OJ991101_09.0131.C15.o1.tm	Method	TBLASTX:Maize
Start	1675	End	3004
GI	none	Score	46
Exons	1675..1719, 1719..1811, 1915..2034, 2148..2369, 2149..2370, 2150..2368, 2157..2369, 2542..2775, 2543..2773, 2557..2775, 2567..2797, 2857..3003, 2858..3004, 2873..3004		

Seq. No.	13363	Seq. ID	OJ991101_09.0131.C15

Gene No.	28434	Strand	-
Start	3722	End	6022
Name	OJ991101_09.0131.C15.o3.tc	Method	TBLASTX:Cress
Start	1945	End	2370
GI	none	Score	107
Exons	1945..2037, 1998..2036, 2154..2369, 2155..2370		

Seq. No.	13363	Seq. ID	OJ991101_09.0131.C15
Gene No.	28434	Strand	-
Start	3722	End	6022
Name	OJ991101_09.0131.C15.o3.tw	Method	TBLASTX:Wheat
Start	1960	End	2352
GI	none	Score	68
Exons	1960..2046, 2149..2352, 2226..2351		

Seq. No.	13363	Seq. ID	OJ991101_09.0131.C15
Gene No.	28434	Strand	-
Start	3722	End	6022
Name	OJ991101_09.0131.C15.o1.ts	Method	TBLASTX:Soybean
Start	2007	End	3274
GI	none	Score	42
Exons	2007..2033, 2008..2034, 2149..2370, 2157..2369, 2527..2772, 2561..2776, 2854..3003, 2858..3007, 2867..3007, 3152..3274		

Seq. No.	13363	Seq. ID	OJ991101_09.0131.C15
Gene No.	28434	Strand	-
Start	3722	End	6022
Name	OJ991101_09.0131.C15.o2.tw	Method	TBLASTX:Wheat
Start	2555	End	3007
GI	none	Score	74
Exons	2555..2623, 2642..2725, 2741..2773, 2824..2952, 2857..2952, 2858..3007		

Seq. No.	13363	Seq. ID	OJ991101_09.0131.C15
Gene No.	28434	Strand	-
Start	3722	End	6022
Name	OJ991101_09.0131.C15.o1.tc	Method	TBLASTX:Cress
Start	2564	End	3007
GI	none	Score	275
Exons	2564..2776, 2566..2772, 2594..2773, 2854..3006, 2858..3007		

Seq. No.	13363	Seq. ID	OJ991101_09.0131.C15
Gene No.	28434	Strand	-
Start	3722	End	6022
Name	OJ991101_09.0131.C15.o4.tc	Method	TBLASTX:Cress
Start	3080	End	3316
GI	none	Score	209
Exons	3080..3316, 3095..3313		

Seq. No.	13363	Seq. ID	OJ991101_09.0131.C15
Gene No.	28434	Strand	-
Start	3722	End	6022
Name	OJ991101_09.0131.C15.o3.tm	Method	TBLASTX:Maize
Start	3092	End	3295
GI	none	Score	202
Exons	3092..3295, 3092..3283, 3106..3294		

Seq. No.	13363	Seq. ID	OJ991101_09.0131.C15
Gene No.	28434	Strand	-
Start	3722	End	6022
Name	OJ991101_09.0131.C15.o1.tw	Method	TBLASTX:Wheat
Start	3104	End	3341
GI	none	Score	259
Exons	3104..3319, 3106..3315, 3181..3324, 3198..3341		

Seq. No.	13363	Seq. ID	OJ991101_09.0131.C15
Gene No.	28434	Strand	-
Start	3722	End	6022
Name	OJ991101_09.0131.C15.o2.gs	Method	GENSCAN
Start	3722	End	6022
GI	none	Score	.73
Exons	3722..3838, 3969..4131, 4408..4452, 5946..6022		

Seq. No.	13364	Seq. ID	OJ991101_09.0131.C16
Gene No.	28435	Strand	+
Start	1592	End	2358
Name	OJ991101_09.0131.C16.o1.gs	Method	GENSCAN
Start	1592	End	2358
GI	none	Score	.67
Exons	1592..1682, 1973..2358		

Seq. No.	13364	Seq. ID	OJ991101_09.0131.C16
Gene No.	28436	Strand	+
Start	2736	End	3621
Name	OJ991101_09.0131.C16.o1.np	Method	AAT/NAP
Start	2736	End	3621
GI	5734709	Score	84
Exons	2736..3024, 3056..3621		
GI Descrip.	(AC008075) Contains PF|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	13364	Seq. ID	OJ991101_09.0131.C16
Gene No.	28437	Strand	-
Start	2499	End	3843
Name	OJ991101_09.0131.C16.o1.tm	Method	TBLASTX:Maize
Start	1	End	459
GI	none	Score	194
Exons	1..255, 3..182, 289..357, 370..459		

Seq. No.	13364	Seq. ID	OJ991101_09.0131.C16
Gene No.	28437	Strand	-
Start	2499	End	3843
Name	OJ991101_09.0131.C16.o1.tw	Method	TBLASTX:Wheat
Start	292	End	552
GI	none	Score	184
Exons	292..489, 297..473, 370..552, 496..552		

Seq. No.	13364	Seq. ID	OJ991101_09.0131.C16
Gene No.	28437	Strand	-
Start	2499	End	3843
Name	OJ991101_09.0131.C16.o2.np	Method	AAT/NAP
Start	2499	End	3843
GI	5917666	Score	43
Exons	2499..2521, 3677..3843		

GI Descrip. (AF159297) extensin-like protein [Zea mays]

Seq. No.	13365	Seq. ID	OJ991101_09.0131.C17
Gene No.	28438	Strand	+
Start	336	End	3138
Name	OJ991101_09.0131.C17.o1.np	Method	AAT/NAP
Start	336	End	3098
GI	4680203	Score	1331
Exons	336..383, 1602..3098		

GI Descrip. (AF114171) TNP2-like protein [Sorghum bicolor]

Seq. No.	13365	Seq. ID	OJ991101_09.0131.C17
Gene No.	28438	Strand	+
Start	336	End	3138
Name	OJ991101_09.0131.C17.o2.gs	Method	GENSCAN
Start	2468	End	3138
GI	none	Score	.78
Exons	2468..2589, 2985..3138		

Seq. No.	13365	Seq. ID	OJ991101_09.0131.C17
Gene No.	28439	Strand	+
Start	5123	End	5414
Name	OJ991101_09.0131.C17.o2.np	Method	AAT/NAP
Start	5123	End	5414
GI	6539588	Score	106
Exons	5123..5414		

GI Descrip. (AP000837) hypothetical protein [Oryza sativa]

Seq. No.	13365	Seq. ID	OJ991101_09.0131.C17
Gene No.	28440	Strand	-
Start	3499	End	5365
Name	OJ991101_09.0131.C17.o2.tw	Method	TBLASTX:Wheat
Start	1914	End	2305
GI	none	Score	79
Exons	1914..2051, 1940..2065, 2048..2230, 2056..2223, 2077..2289, 2204..2305, 2229..2288		

Seq. No.	13365	Seq. ID	OJ991101_09.0131.C17
Gene No.	28440	Strand	-
Start	3499	End	5365
Name	OJ991101_09.0131.C17.o1.tw	Method	TBLASTX:Wheat
Start	2567	End	2927
GI	none	Score	100
Exons	2567..2659, 2568..2666, 2569..2670, 2684..2770, 2685..2771, 2689..2772, 2771..2824, 2816..2911, 2821..2922, 2823..2927		

Seq. No.	13365	Seq. ID	OJ991101_09.0131.C17
Gene No.	28440	Strand	-
Start	3499	End	5365
Name	OJ991101_09.0131.C17.o1.tm	Method	TBLASTX:Maize
Start	2569	End	2961
GI	none	Score	89
Exons	2569..2688, 2685..2801, 2812..2961		

Seq. No.	13365	Seq. ID	OJ991101_09.0131.C17
Gene No.	28440	Strand	-
Start	3499	End	5365

Name	OJ991101_09.0131.C17.o3.gs	Method	GENSCAN
Start	3499	End	5365
GI	none	Score	.69
Exons	3499..3536, 5233..5365		

Seq. No.	13366	Seq. ID	OJ991101_09.0131.C18
Gene No.	28441	Strand	-
Start	1266	End	6882
Name	OJ991101_09.0131.C18.o1.np	Method	AAT/NAP
Start	1254	End	6882
GI	5295971	Score	3103
Exons	1254..5524, 6857..6882		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	13366	Seq. ID	OJ991101_09.0131.C18
Gene No.	28441	Strand	-
Start	1266	End	6882
Name	OJ991101_09.0131.C18.o1.gs	Method	GENSCAN
Start	1266	End	4358
GI	none	Score	.51
Exons	1266..1548, 1799..2266, 2607..3030, 3242..4358		

Seq. No.	13366	Seq. ID	OJ991101_09.0131.C18
Gene No.	28441	Strand	-
Start	1266	End	6882
Name	OJ991101_09.0131.C18.o1.tc	Method	TBLASTX:Cress
Start	1287	End	1951
GI	none	Score	108
Exons	1287..1538, 1291..1539, 1536..1652, 1656..1760, 1657..1728, 1789..1950, 1808..1951		

Seq. No.	13366	Seq. ID	OJ991101_09.0131.C18
Gene No.	28441	Strand	-
Start	1266	End	6882
Name	OJ991101_09.0131.C18.o2.ts	Method	TBLASTX:Soybean
Start	1290	End	1920
GI	none	Score	66
Exons	1290..1457, 1290..1742, 1339..1467, 1492..1737, 1792..1920		

Seq. No.	13366	Seq. ID	OJ991101_09.0131.C18
Gene No.	28441	Strand	-
Start	1266	End	6882
Name	OJ991101_09.0131.C18.o7.tm	Method	TBLASTX:Maize
Start	1290	End	1535
GI	none	Score	72
Exons	1290..1535, 1302..1460, 1408..1500		

Seq. No.	13366	Seq. ID	OJ991101_09.0131.C18
Gene No.	28441	Strand	-
Start	1266	End	6882
Name	OJ991101_09.0131.C18.o4.tw	Method	TBLASTX:Wheat
Start	1317	End	1760
GI	none	Score	69
Exons	1317..1496, 1533..1760, 1546..1632		

Seq. No.	13366	Seq. ID	OJ991101_09.0131.C18
Gene No.	28441	Strand	-
Start	1266	End	6882
Name	OJ991101_09.0131.C18.o1.tm	Method	TBLASTX:Maize
Start	1536	End	1993
GI	none	Score	117
Exons	1536..1754, 1537..1650, 1541..1756, 1554..1757, 1786..1983, 1787..1993		

Seq. No.	13366	Seq. ID	OJ991101_09.0131.C18
Gene No.	28441	Strand	-
Start	1266	End	6882
Name	OJ991101_09.0131.C18.o2.tw	Method	TBLASTX:Wheat
Start	1966	End	2633
GI	none	Score	82
Exons	1966..2067, 2092..2295, 2287..2418, 2441..2632, 2445..2633		

Seq. No.	13366	Seq. ID	OJ991101_09.0131.C18
Gene No.	28441	Strand	-
Start	1266	End	6882
Name	OJ991101_09.0131.C18.o5.tm	Method	TBLASTX:Maize
Start	1993	End	2250
GI	none	Score	42
Exons	1993..2250, 1994..2101, 2150..2227		

Seq. No.	13366	Seq. ID	OJ991101_09.0131.C18
Gene No.	28441	Strand	-
Start	1266	End	6882
Name	OJ991101_09.0131.C18.o3.ts	Method	TBLASTX:Soybean
Start	2299	End	2800
GI	5509260	Score	53
Exons	2299..2418, 2321..2419, 2447..2800, 2523..2783		
GI Descrip.	-		

Seq. No.	13366	Seq. ID	OJ991101_09.0131.C18
Gene No.	28441	Strand	-
Start	1266	End	6882
Name	OJ991101_09.0131.C18.o3.tc	Method	TBLASTX:Cress
Start	2441	End	2678
GI	none	Score	64
Exons	2441..2677, 2471..2662, 2502..2678		

Seq. No.	13366	Seq. ID	OJ991101_09.0131.C18
Gene No.	28441	Strand	-
Start	1266	End	6882
Name	OJ991101_09.0131.C18.o3.tm	Method	TBLASTX:Maize
Start	2453	End	2774
GI	none	Score	244
Exons	2453..2773, 2454..2774		

Seq. No.	13366	Seq. ID	OJ991101_09.0131.C18
Gene No.	28441	Strand	-
Start	1266	End	6882
Name	OJ991101_09.0131.C18.o1.ts	Method	TBLASTX:Soybean
Start	3099	End	3593
GI	none	Score	80
Exons	3099..3587, 3099..3593, 3298..3588		

Seq. No.	13366	Seq. ID	OJ991101_09.0131.C18
Gene No.	28441	Strand	-
Start	1266	End	6882
Name	OJ991101_09.0131.C18.o2.tc	Method	TBLASTX:Cress
Start	3135	End	3602
GI	none	Score	224
Exons	3135..3602		

Seq. No.	13366	Seq. ID	OJ991101_09.0131.C18
Gene No.	28441	Strand	-
Start	1266	End	6882
Name	OJ991101_09.0131.C18.o2.tm	Method	TBLASTX:Maize
Start	3195	End	3620
GI	none	Score	40
Exons	3195..3266, 3199..3255, 3250..3606, 3273..3620		

Seq. No.	13366	Seq. ID	OJ991101_09.0131.C18
Gene No.	28441	Strand	-
Start	1266	End	6882
Name	OJ991101_09.0131.C18.o1.tw	Method	TBLASTX:Wheat
Start	3267	End	3827
GI	none	Score	110
Exons	3267..3356, 3363..3827, 3457..3825		

Seq. No.	13366	Seq. ID	OJ991101_09.0131.C18
Gene No.	28441	Strand	-
Start	1266	End	6882
Name	OJ991101_09.0131.C18.o4.ts	Method	TBLASTX:Soybean
Start	3633	End	3962
GI	none	Score	216
Exons	3633..3962, 3786..3866		

Seq. No.	13366	Seq. ID	OJ991101_09.0131.C18
Gene No.	28441	Strand	-
Start	1266	End	6882
Name	OJ991101_09.0131.C18.o3.tw	Method	TBLASTX:Wheat
Start	3900	End	4352
GI	none	Score	53
Exons	3900..3986, 3987..4352, 4075..4236, 4267..4332		

Seq. No.	13366	Seq. ID	OJ991101_09.0131.C18
Gene No.	28441	Strand	-
Start	1266	End	6882
Name	OJ991101_09.0131.C18.o4.tm	Method	TBLASTX:Maize
Start	3966	End	4374
GI	none	Score	59
Exons	3966..4115, 3970..4110, 4125..4364, 4158..4373, 4174..4374		

Seq. No.	13366	Seq. ID	OJ991101_09.0131.C18
Gene No.	28441	Strand	-
Start	1266	End	6882
Name	OJ991101_09.0131.C18.o2.gs	Method	GENSCAN
Start	4773	End	6216
GI	none	Score	.57
Exons	4773..5402, 5450..5557, 5616..5656, 6066..6216		

Seq. No.	13366	Seq. ID	OJ991101_09.0131.C18
Gene No.	28441	Strand	-
Start	1266	End	6882
Name	OJ991101_09.0131.C18.o6.tm	Method	TBLASTX:Maize
Start	4863	End	5187
GI	none	Score	54
Exons	4863..5186, 4876..4980, 5068..5187		

Seq. No.	13366	Seq. ID	OJ991101_09.0131.C18
Gene No.	28441	Strand	-
Start	1266	End	6882
Name	OJ991101_09.0131.C18.o5.tw	Method	TBLASTX:Wheat
Start	4881	End	5261
GI	none	Score	72
Exons	4881..5261, 4956..5240		

Seq. No.	13367	Seq. ID	OJ991101_09.0131.C19
Gene No.	28442	Strand	-
Start	3492	End	5583
Name	OJ991101_09.0131.C19.o1.np	Method	AAT/NAP
Start	3492	End	5583
GI	2443320	Score	2925
Exons	3492..5583		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	13367	Seq. ID	OJ991101_09.0131.C19
Gene No.	28442	Strand	-
Start	3492	End	5583
Name	OJ991101_09.0131.C19.o2.tw	Method	TBLASTX:Wheat
Start	3531	End	4019
GI	none	Score	371
Exons	3531..4019, 3532..4014, 3899..4018		

Seq. No.	13367	Seq. ID	OJ991101_09.0131.C19
Gene No.	28442	Strand	-
Start	3492	End	5583
Name	OJ991101_09.0131.C19.o2.tm	Method	TBLASTX:Maize
Start	3543	End	4128
GI	none	Score	48
Exons	3543..3725, 3756..4055, 4057..4128		

Seq. No.	13367	Seq. ID	OJ991101_09.0131.C19
Gene No.	28442	Strand	-
Start	3492	End	5583
Name	OJ991101_09.0131.C19.o2.ts	Method	TBLASTX:Soybean
Start	3627	End	4119
GI	none	Score	54
Exons	3627..3731, 3759..4061, 4063..4119		

Seq. No.	13367	Seq. ID	OJ991101_09.0131.C19
Gene No.	28442	Strand	-
Start	3492	End	5583
Name	OJ991101_09.0131.C19.o1.tw	Method	TBLASTX:Wheat
Start	4090	End	4891
GI	none	Score	235
Exons	4090..4554, 4091..4405, 4219..4554, 4436..4570, 4479..4880, 4540..4887, 4540..4890, 4544..4891		

Seq. No.	13367	Seq. ID	OJ991101_09.0131.C19
Gene No.	28442	Strand	-
Start	3492	End	5583
Name	OJ991101_09.0131.C19.o1.tm	Method	TBLASTX:Maize
Start	4453	End	4885
GI	none	Score	168
Exons	4453..4866, 4520..4885		

Seq. No.	13367	Seq. ID	OJ991101_09.0131.C19
Gene No.	28442	Strand	-
Start	3492	End	5583
Name	OJ991101_09.0131.C19.o1.ts	Method	TBLASTX:Soybean
Start	4571	End	5019
GI	5509260	Score	107
Exons	4571..4729, 4579..5019, 4763..4966		
GI Descrip.	-		

Seq. No.	13367	Seq. ID	OJ991101_09.0131.C19
Gene No.	28442	Strand	-
Start	3492	End	5583
Name	OJ991101_09.0131.C19.o1.tc	Method	TBLASTX:Cress
Start	4666	End	4930
GI	none	Score	67
Exons	4666..4929, 4797..4928, 4799..4930		

Seq. No.	13367	Seq. ID	OJ991101_09.0131.C19
Gene No.	28442	Strand	-
Start	3492	End	5583
Name	OJ991101_09.0131.C19.o4.tw	Method	TBLASTX:Wheat
Start	4892	End	5086
GI	none	Score	175
Exons	4892..5086, 4894..5085		

Seq. No.	13367	Seq. ID	OJ991101_09.0131.C19
Gene No.	28442	Strand	-
Start	3492	End	5583
Name	OJ991101_09.0131.C19.o3.tw	Method	TBLASTX:Wheat
Start	5263	End	5550
GI	none	Score	192
Exons	5263..5550, 5267..5539		

Seq. No.	13368	Seq. ID	OJ991101_09.0131.C20
Gene No.	28443	Strand	+
Start	1	End	480
Name	OJ991101_09.0131.C20.o1.np	Method	AAT/NAP
Start	1	End	480
GI	6957519	Score	228
Exons	1..480		
GI Descrip.	(AC022288) putative gag-pol polyprotein [Arabidopsis thaliana]		

Seq. No.	13368	Seq. ID	OJ991101_09.0131.C20
Gene No.	28443	Strand	+
Start	1	End	480
Name	OJ991101_09.0131.C20.o1.gs	Method	GENSCAN
Start	63	End	421
GI	none	Score	.5

Exons	63..421		
Seq. No.	13368	Seq. ID	OJ991101_09.0131.C20
Gene No.	28443	Strand	+
Start	1	End	480
Name	OJ991101_09.0131.C20.o1.tw	Method	TBLASTX:Wheat
Start	132	End	479
GI	none	Score	188
Exons	132..479, 153..437		
Seq. No.	13368	Seq. ID	OJ991101_09.0131.C20
Gene No.	28443	Strand	+
Start	1	End	480
Name	OJ991101_09.0131.C20.o1.tm	Method	TBLASTX:Maize
Start	206	End	473
GI	none	Score	190
Exons	206..325, 207..473		
Seq. No.	13369	Seq. ID	OJ991101_09.0131.C21
Gene No.	28444	Strand	+
Start	1248	End	1814
Name	OJ991101_09.0131.C21.o1.gs	Method	GENSCAN
Start	1248	End	1814
GI	none	Score	1
Exons	1248..1814		
Seq. No.	13369	Seq. ID	OJ991101_09.0131.C21
Gene No.	28444	Strand	+
Start	1248	End	1814
Name	OJ991101_09.0131.C21.o1.np	Method	AAT/NAP
Start	1290	End	1811
GI	1888551	Score	266
Exons	1290..1496, 1523..1811		
GI Descrip.	(U89895) pathogenesis-related protein class 1 [Oryza sativa]		
Seq. No.	13369	Seq. ID	OJ991101_09.0131.C21
Gene No.	28444	Strand	+
Start	1248	End	1814
Name	OJ991101_09.0131.C21.o1.ts	Method	TBLASTX:Soybean
Start	1361	End	1748
GI	none	Score	136
Exons	1361..1471, 1362..1493, 1587..1652, 1674..1748		
Seq. No.	13369	Seq. ID	OJ991101_09.0131.C21
Gene No.	28444	Strand	+
Start	1248	End	1814
Name	OJ991101_09.0131.C21.o1.tw	Method	TBLASTX:Wheat
Start	1361	End	1811
GI	none	Score	85
Exons	1361..1465, 1362..1496, 1545..1658, 1571..1765, 1664..1807, 1665..1811		
Seq. No.	13369	Seq. ID	OJ991101_09.0131.C21
Gene No.	28444	Strand	+
Start	1248	End	1814
Name	OJ991101_09.0131.C21.o1.tm	Method	TBLASTX:Maize
Start	1368	End	1814

GI	none	Score	74
Exons	1368..1532, 1652..1729, 1653..1748, 1730..1810, 1731..1814		

Seq. No.	13370	Seq. ID	OJ991101_09.0131.C22
Gene No.	28445	Strand	+
Start	257	End	2175
Name	OJ991101_09.0131.C22.o1.gs	Method	GENSCAN
Start	257	End	2175
GI	none	Score	.5
Exons	257..352, 498..582, 1678..1863, 2066..2175		

Seq. No.	13370	Seq. ID	OJ991101_09.0131.C22
Gene No.	28446	Strand	-
Start	3688	End	4619
Name	OJ991101_09.0131.C22.o2.gs	Method	GENSCAN
Start	3688	End	4589
GI	none	Score	.79
Exons	3688..3740, 4334..4589		

Seq. No.	13370	Seq. ID	OJ991101_09.0131.C22
Gene No.	28446	Strand	-
Start	3688	End	4619
Name	OJ991101_09.0131.C22.o1.tc	Method	TBLASTX:Cress
Start	4288	End	4619
GI	none	Score	77
Exons	4288..4464, 4289..4456, 4302..4475, 4497..4619		

Seq. No.	13371	Seq. ID	OJ991101_09.0131.C23
Gene No.	28447	Strand	+
Start	315	End	2016
Name	OJ991101_09.0131.C23.o1.np	Method	AAT/NAP
Start	315	End	1624
GI	2565009	Score	266
Exons	315..420, 576..640, 731..834, 907..962, 1542..1624		
GI Descrip.	(AC002983) putative zinc finger protein [Arabidopsis thaliana]		

Seq. No.	13371	Seq. ID	OJ991101_09.0131.C23
Gene No.	28447	Strand	+
Start	315	End	2016
Name	OJ991101_09.0131.C23.o1.gs	Method	GENSCAN
Start	374	End	2016
GI	none	Score	.91
Exons	374..420, 731..833, 909..1047, 1258..1358, 1468..2016		

Seq. No.	13371	Seq. ID	OJ991101_09.0131.C23
Gene No.	28447	Strand	+
Start	315	End	2016
Name	OJ991101_09.0131.C23.o1.tc	Method	TBLASTX:Cress
Start	584	End	1334
GI	none	Score	106
Exons	584..643, 585..638, 727..837, 729..845, 732..833, 921..989, 922..960, 1125..1217, 1143..1211, 1284..1334		

Seq. No.	13371	Seq. ID	OJ991101_09.0131.C23
Gene No.	28447	Strand	+
Start	315	End	2016
Name	OJ991101_09.0131.C23.o1.tm	Method	TBLASTX:Maize